



U.S. Department  
of Homeland Security  
**United States  
Coast Guard**

## LOCAL NOTICE TO MARINERS

**District: 9**

**Week: 23/16**

Issued by: Commander (dpw)  
Ninth Coast Guard District  
1240 East Ninth Street,  
Cleveland, OH 44199-2060  
Telephone: (216) 902-6069

Direct questions about this LNM to the above address.

All distances in this publication are STATUTE MILES unless otherwise noted.

\*District Nine Internet Address\* <http://www.uscg.mil/d9/uscgd9.html>

\*District Nine Local Notice to Mariners email Address\* D09-DG-District-D9-LocalNoticetoMariners@uscg.mil

\*\* Navigation Information Service watchstander, 24 hours a day at (703) 313-5900 \*\* \*\*Internet Address\*\* <http://www.navcen.uscg.gov/>

Light List Reference: Commandant Publication P16502.7, VOL VII, 2016 Edition

Coast Pilot Reference: 2016 U.S. Coast Pilot 6 Great Lakes 46th Edition

Coast Pilots, along with corrections are available at: <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>

The Local Notice to Mariners is available on the Internet at <http://www.navcen.uscg.gov/?pageName=InmMain> You will also have links to other government agencies- web pages including the US Army Corps of Engineers and the National Ocean Service.

### REPORT DISCREPANCIES IN AIDS TO NAVIGATION TO THE NEAREST COAST GUARD UNIT

The Ninth District and all Sector offices for their areas of responsibility issue a BROADCAST NOTICE TO MARINERS.

The following Broadcast Notice to Mariners have been incorporated into this week's Local Notice to Mariners:

Sector Buffalo, NY - B056-16 through B065-16

Ninth District - C076-16 through C087-16

Sector Detroit, MI - D063-16 through D078-16

Sector Lake Michigan, WI - M158-16 through M186-16

Sector Sault Ste Marie, MI - S051-16 through S055-16

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS and DGPS. The

NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can be obtained via email subscription through the USCG Navigation Center website: <http://cgls.uscg.mil/mailman/listinfo/nanu>. In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS or AIS service. Users are encouraged to report all degradation or loss of radio navigation services to the NIS via any of the following: Phone: (703) 313-5900, mail to: [webmaster@smtp.navcen.uscg.mil](mailto:webmaster@smtp.navcen.uscg.mil), or on the internet at: <http://www.navcen.uscg.gov>

### ABBREVIATIONS

#### A through H

ADRIFT - Buoy Adrift  
AICW - Atlantic Intracoastal Waterway  
AI - Alternating  
B - Buoy  
BKW - Breakwater  
bl - Blast  
BNM - Broadcast Notice to Mariner  
bu - Blue  
C - Canadian  
CHAN - Channel  
CGD - Coast Guard District  
C/O - Cut Off  
CONT - Contour  
CRK - Creek  
CONST - Construction  
DAYMK/Daymk - Daymark

#### I through O

I - Interrupted  
ICW - Intracoastal Waterway  
IMCH - Improper Characteristic  
INL - Inlet  
INOP - Not Operating  
INT - Intensity  
ISL - Islet  
Iso - Isophase  
kHz - Kilohertz  
LAT - Latitude  
LB - Lighted Buoy  
LBB - Lighted Bell Buoy  
LHB - Lighted Horn Buoy  
LGB - Lighted Gong Buoy  
LONG - Longitude  
LNM - Local Notice to Mariners

#### P through Z

PRIV - Private Aid  
Q - Quick  
R - Red  
RACON - Radar Transponder Beacon  
Ra ref - Radar reflector  
RBN - Radio Beacon  
REBUILT - Aid Rebuilt  
RECOVERED - Aid Recovered  
RED - Red Buoy  
REFL - Reflective  
RRL - Range Rear Light  
RELIGHTED - Aid Relit  
RELOC - Relocated  
RESET ON STATION - Aid Reset on Station  
RFL - Range Front Light  
RIV - River

DBN/Dbn - Daybeacon  
 DBD/DAYBD - Dayboard  
 DEFAC - Defaced  
 DEST - Destroyed  
 DISCON - Discontinued  
 DMGD/DAMGD - Damaged  
 ec - eclipse  
 EST - Established Aid  
 ev - every  
 EVAL - Evaluation  
 EXT - Extinguished  
 F - Fixed  
 fl - flash  
 FI - Flashing  
 G - Green  
 GIWW - Gulf Intracoastal Waterway  
 HAZ - Hazard to Navigation  
 HBR - Harbor  
 HOR - Horizontal Clearance  
 HT - Height

LT - Light  
 LT CONT - Light Continuous  
 LTR - Letter  
 LWB - Lighted Whistle Buoy  
 LWP - Left Watching Properly  
 MHz - Megahertz  
 MISS/MSNG - Missing  
 Mo - Morse Code  
 MRASS - Marine Radio Activated Sound Signal  
 MSLD - Misleading  
 N/C - Not Charted  
 NGA - National Geospatial-Intelligence Agency  
 NO/NUM - Number  
 NOS - National Ocean Service  
 NW - Notice Writer  
 OBSCU - Obscured  
 OBST - Obstruction  
 OBSTR - Obstruction  
 Oc - Occulting  
 ODAS - Anchored Oceanographic Data Buoy

RRASS - Remote Radio Activated Sound Signal  
 s - seconds  
 SEC - Section  
 SHL - Shoaling  
 si - silent  
 SIG - Signal  
 SND - Sound  
 SPM - Single Point Mooring Buoy  
 SS - Sound Signal  
 STA - Station  
 STRUCT - Structure  
 St M - Statute Mile  
 TEMP - Temporary Aid Change  
 TMK - Topmark  
 TRLB - Temporarily Replaced by Lighted Buoy  
 TRLT - Temporarily Replaced by Light  
 TRUB - Temporarily Replaced by Unlighted Buoy  
 USACE - Army Corps of Engineers  
 W - White  
 Y - Yellow

Additional Abbreviations Specific to this LNM Edition:

LIB - Lighted Ice Buoy

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## SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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### CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION

The aids to navigation depicted on charts comprise a system of fixed and floating aids to navigation with varying degrees of reliability. Prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid to navigation. With respect to buoys, the buoy symbol is used to indicate the approximate position of the buoy body and the sinker which secures the buoy to the seabed. The approximate position is used because of the practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecision in position fixing methods, prevailing atmospheric and sea conditions, slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying length of chain, and the fact that the buoy body and/or sinker positions are not under continuous surveillance, but are normally checked only during periodic maintenance visits which often occur more than a year apart. Due to the forces of nature, the position of the buoy body can be expected to shift inside and outside the charted symbol. The mariner is also cautioned that buoys may be extinguished or sound signals may not function as the result of ice, running ice, or other natural causes, collisions, or other accidents. For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction that the buoy marks.

LNM: 06/14

### IMPORTANT SAFETY NOTICE ABOUT THE RELIABLE OPERATION OF ECDIS

Following an announcement by the International Maritime Organization (IMO) concerning potential display anomalies in some ECDIS systems, the International Hydrographic Organization (IHO) issued an ENC Data Presentation and Performance Check in October 2011. This check is intended to assist mariners and to help determine the extent of the anomalies. IHO has received reports from mariners confirming that a number of ECDIS fail to display some significant underwater features in the "Standard" display mode. For all significant objects to be visible to the mariner, these ECDIS must be operated in "Full display" or "All display" mode until a software upgrade is made available from the manufacturer. Mariners are strongly encouraged to use the IHO ENC Data Presentation and Performance Check issued through ENC service providers and also available directly from the IHO website ([www.iho.int](http://www.iho.int)) to check the operation of their ECDIS and to determine whether their system is affected. IHO Circular Letter 33/2012 is available on the Coast Guard's Navigation Center website (<http://www.navcen.uscg.gov>) under the heading News and Notices.

LNM: 12/12

### RANGE STRUCTURES

The U.S. Coast Guard has become aware that Coast Guard information used to depict a rangeline on NOAA Electronic Navigational Charts (ENC) may not be of sufficient accuracy to accurately portray the rangeline on the ENC. Mariners are cautioned that the position of a rangeline as shown on an ENC may not reflect its true position.

LNM: 04/11

### USACE NOTICE TO NAVIGATION INTERESTS

Current Federal Channel conditions, shoaling, and the most recent channel surveys are available at the following Army Corps of Engineers web sites:

Buffalo: <http://www.lrb.usace.army.mil/>  
Detroit: <http://www.lre.usace.army.mil/>  
Chicago: <http://www.lrc.usace.army.mil/>  
Rock Island: <http://www.mvr.usace.army.mil/>

LNM: 28/12

#### **GREAT LAKES- AIS PROGRAM**

The following aids to navigation have been established as either synthetic or virtual ATON. Synthetic AIS ATON is a signal broadcasted from an AIS base station to coincide with an existing physical aid to navigation. Virtual AIS ATON is a signal broadcasted from an AIS base station that is electronically charted, but non-existent as a physical aid to navigation. Buoys and lighted buoys that are replaced by a can or nun winter mark will be synthetic AIS ATON year round. Buoys and lighted buoys that are not replaced with a can or nun winter mark will be synthetic AIS ATON during their advertised season in the light list and virtual AIS ATON when not on station.

LNM: 42/15

#### **St. Lawrence Seaway - Carleton Island to Charity Shoal - Chart 1430 (C)**

Tibbetts Point Light (LLNR 1735)

LNM: 42/15

#### **LAKE ERIE - PA - Erie Harbor - Chart 14835**

Erie Harbor Entrance Lighted Bell Buoy "1" (LLNR 3515)  
Erie Harbor Entrance Lighted Buoy "5" (LLNR 3535)

LNM: 42/15

#### **LAKE ERIE - OH - Toledo Harbor - Chart 14847**

Maumee Bay Entrance Lighted Buoy "1" (LLNR 6045)  
Maumee Bay Lighted Buoy "10" (LLNR 6090)  
Maumee Bay Lighted Buoy "21" (LLNR 6155)  
Maumee Bay Lighted Buoy "30" (LLNR 6195)

LNM: 42/15

#### **LAKE ERIE - OH - Sandusky harbor - Chart 14845**

Moseley Channel Lighted bell Buoy "1" (LLNR 4580)  
Moseley Channel Lighted Buoy "2" (LLNR 4585)

LNM: 42/15

#### **LAKE ERIE - MI - Monroe Harbor - Chart 14846**

Monroe Harbor Lighted Buoy "1" (LLNR 6570)  
Monroe Harbor Lighted Buoy "2" (LLNR 6575)

LNM: 42/15

#### **DETROIT RIVER - MI - Chart 14848**

East Outer Channel Lighted Buoy "16" (LLNR 6960)  
Amherstburg Channel Lighted Buoy "23" (LLNR 6965)  
River Rouge Canal Entrance Lighted Buoy "2" (LLNR 8160)  
Belle Isle Lower Junction Lighted Buoy (LLNR 8205)  
Belle Isle North Lighted Buoy "113" (LLNR 8245)  
Pecche Island Lighted Buoy "114" (LLNR 8255)

LNM: 42/15

#### **LAKE St. CLAIR - MI - Chart 14850**

Lake St. Clair Lighted Buoy "2" (LLNR 8420)  
Lake St. Clair Lighted Buoy "8" (LLNR 8450)  
Lake St. Clair Lighted Buoy "29" (LLNR 8565)  
Lake St. Clair Lighted Buoy "30" (LLNR 8570)

LNM: 42/15

**St. CLAIR RIVER - MI - Chart 14852**

Russel Island Shoal Lighted Buoy "R1" (LLNR 9745)  
Fawn Island Lighted Buoy "38" (LLNR 9780)  
Marine City Shoal Lighted Buoy "40" (LLNR 9790)  
St. Clair Middle Ground Lighted Buoy "52" (LLNR 9885)  
Stag Island Lighted Buoy "58" (LLNR 9935)

LNM: 42/15

**LAKE HURON - MI - Lake Huron Cut - Chart 14862**

Lake Huron Cut Lighted Buoy "1" (LLNR 10035)  
Lake Huron Cut Lighted Buoy "11" (LLNR 10085)  
Lake Huron Cut Lighted Buoy "12" (LLNR 10090)

LNM: 42/15

**LAKE HURON - MI - Saginaw Bay - Chart 14867**

Charity Island Shoal Lighted Bell Buoy "1" (LLNR 10530)  
Charity Island Shoal Lighted Buoy "3" (LLNR 10535)  
Saginaw Bay Channel Lighted Buoy "5" (LLNR 10600)  
Saginaw Bay Channel Lighted Buoy "6" (LLNR 10605)  
Saginaw Bay Channel Lighted Buoy "15" (LLNR 10660)  
Saginaw Bay Channel Lighted Buoy "16" (LLNR 10665)

LNM: 42/15

**LAKE HURON - MI - Harrisville to Forty Mile Point - Chart 14864**

Alpena Junction Lighted Buoy "AL" (LLNR 11390)  
Nordmeer Wreck Lighted Buoy "WR1" (LLNR 11505)

LNM: 42/15

**STRAITS of MACKINAC - MI - De Tour Passage to Waugoshance Point - Chart 14881**

Round Island Lighted Buoy "3" (LLNR 12575)  
Round Island Lighted Buoy "5" (LLNR 12590)

LNM: 42/15

**LAKE SUPERIOR - MN - Duluth Harbor - Chart 14975**

Duluth Harbor Basin Traffic Buoy (LLNR 15870)

LNM: 42/15

**LAKE MICHIGAN - MI - Waugoshance to Seul Choix Point - Chart 14911**

New Shoal Lighted Buoy "1" (LLNR 17740)  
New Shoal Lighted Bell Buoy "3" (LLNR 17745)  
Grays Reef passage Channel Lighted Buoy "7" (LLNR 17780)

LNM: 42/15

**LAKE MICHIGAN - MI - Platte Bay to Leland - Chart 14912**

Pyramid Point Shoal Lighted Buoy "5" (LLNR 18350)  
Sleeping Bear Lighted Bell Buoy "7" (LLNR 18365)

LNM: 42/15

**LAKE MICHIGAN - IL - Calumet and Indiana harbor - Chart 14929**

Chicago Lake Front Northeast Shoal Lighted Buoy "2" (LLNR 19790)

LNM: 42/15

**LAKE MICHIGAN - WI - Upper Green Bay - Chart 14909**

St. Martin Island Shoal Lighted Buoy "2" (LLNR 21435)  
Chambers island West Shoal Lighted Bell Buoy "3" (LLNR 21900)  
Green island Southeast Shoal Buoy "2" (LLNR 21975)

LNM: 42/15

**LAKE MICHIGAN - WI - Big Bay De Noc - Chart 14908**

Southwest Drisco Shoal Lighted Buoy "DA" (LLNR 21605)

LNM: 42/15

**LAKE MICHIGAN - WI - Little Bay De Noc - Chart 14915**

Little Bay De Noc Lighted buoy "8" (LLNR 21630)

LNM: 42/15

**LAKE MICHIGAN - WI - Menominee and Marinette Harbors - Chart 14917**

Menominee Entrance Lighted Buoy "1" (LLNR 21920)

Menominee Entrance Lighted Buoy "2" (LLNR 21925)

LNM: 42/15

**LAKE MICHIGAN - WI - Lower Green Bay - Chart 14910**

Sherwood Point Traffic Lighted Bell Buoy (LLNR 22005)

LNM: 42/15

**LAKE MICHIGAN - WI - Head of Green bay - Chart 14918**

Green Bay Harbor Entrance Channel Lighted Buoy "1" (LLNR 22105)

Green Bay Harbor Entrance Channel Lighted Bell Buoy "2" (LLNR 22110)

Green Bay Harbor Entrance Channel Lighted Buoy "5" (LLNR 22125)

Green Bay Harbor Entrance Channel Lighted Buoy "9" (LLNR 22145)

Green Bay Harbor Entrance Channel Lighted Buoy "10" (LLNR 22150)

LNM: 42/15

**SPECIAL NOTICE**

USCG NATION-WIDE AUTOMATIC IDENTIFICATION SYSTEM (NAIS) NETWORK TESTING

On August 10, 2015, the U.S. Coast Guard will begin AIS Application Specific Message (AIS-ASM) testing. The test transmissions will occur between 0001-2359Z, 7 days/week. The test messages can be identified by their Maritime Mobile Service (MMSI) number: 300669139 or 00366613 and by the words "USCG TEST" within the contents of the message. Mariners are requested to contact the USCG Navigation Center at 1-703-313-5900 or TIS-PF-NISWS@uscg.mil with any questions, comments, or to report any safety and/or operational impacts caused by this testing.

Application Specific Messages to be tested include: messages 6, 8, 25, and 26, DAC=367, FI's=22, 29, 33, 35; AIS Safety Related Text (SRM) messages: 8 (DAC=001, FI=0) and 14. The messages will be of various lengths, using repetitions of the text "USCG TEST". For further information on AIS messages, DACs, and FI's visit <http://www.navcen.uscg.gov/?pageName=AISMessages>.

LNM: 31/15

**THE DATES OF LATEST EDITIONS, NAUTICAL CHARTS AND MISCELLANEOUS MAPS**

Up to date information on latest editions, nautical charts and miscellaneous maps can be found at the following web address:  
<http://www.nauticalcharts.noaa.gov/>

LNM: 32/13

**COAST PILOT 6-NEW EDITION**

PUBLICATION—National Oceanic Atmospheric Administration (NOAA)—U.S. Coast Pilot 6, Great Lakes and their connecting waterways, 46th Edition, 2016, has been issued and is ready for free download and weekly updates at <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>.

Only Print-on-Demand (POD) bound copies are available for purchase; see <http://www.nauticalcharts.noaa.gov/staff/charts.htm#POD>.

The 2016 Edition cancels the preceding 2015 Edition, and incorporates all previous corrections.

LNM: 08/16

**THE 2016 ELECTRONIC LIGHT LIST**

The 2016 Light List is now available.

Coast Guard Light Lists are a means for communicating aids to navigation information to the maritime public. The last government printed Light Lists were the 2014 editions. While the Light Lists will no longer be available in government printed form, commercial reproductions may be available for purchase from maritime service providers. Local Notices to Mariners will continue to advertise Light List corrections and NAVCEN will continue to publish a compilation of corrections.

2016 Light Lists are available on the USCG Navigation Center's website at: <http://www.navcen.uscg.gov/?pageName=lightLists>

Complete versions of the 2016 Light Lists are updated weekly on the NAVCEN website and mariners should download applicable copies and updates as needed at: <http://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates>.

A summary of 2016 Light List corrections are available at: <http://www.navcen.uscg.gov/?pageName=lightListCorrections>

Guidance for use of electronic navigation publications onboard U.S. vessels can be found at:  
[http://www.uscg.mil/hq/cgcv/cvc/policy/policy\\_letters/543/CG-543\\_pol10-05.pdf](http://www.uscg.mil/hq/cgcv/cvc/policy/policy_letters/543/CG-543_pol10-05.pdf)

LNM: 02/16

#### **USE OF ELECTRONIC CHARTS AND PUBLICATIONS IN LIEU OF PAPER CHARTS, MAPS, AND PUBLICATIONS**

The U.S. Coast Guard has issued Navigation and Vessel Inspection Circular (NVIC) No. 01-16 which contains guidance on the use of electronic charts and publications in lieu of paper charts, maps, and publications. This guidance applies to U.S. flagged vessels subject to U.S. domestic chart, map, and publication carriage requirements contained in Titles 33 and 46 of the Code of Federal Regulations. The NVIC can be viewed at <https://www.uscg.mil/hq/cg5/nvic/default.asp> or <https://cgportal2.uscg.mil/library/directives/SitePages/Home.aspx>.

LNM: 06/16

#### **GREAT LAKES - Great Lakes Water Levels**

The expected water levels on the Great Lakes for June 03, 2016. Connecting Channels and the St. Lawrence River, given in inches above (+) or below (-) Low Water Datum (LWD). LWD is a plane of reference used on a navigation chart. It is also known as chart datum.

Great Lakes:

Lake Ontario +36, Lake Erie +46, Lake St. Clair +42, Lake Michigan-Huron +32, Lake Superior +12.

St Lawrence River:

Above Long Sault Dam +34, Above Iroquois Dam +30, Ogdensburg +34, Alexandria Bay +34, Head of River at Cape Vincent +36.

Detroit River:

Lake Erie at Pelee Passage +46, Mouth of River at Gibraltar +46, Fort Wayne +47, Head of River above Belle Isle +43.

St. Clair River:

Mouth of River at St. Clair Flats +42, Algonac +45, St. Clair +38, Blue Water Bridge +38, Head of River at Fort Gratiot +34, Lake Huron Approach Channel +32.

St. Marys River:

Mouth of River at Detour +32, West and Middle Neebish +28, Head of Little Rapids +26, U.S. Slip +24, Above Locks +14, Head of River at Point Iroquois +12.

Available water depth is determined for a location by adding (if +) or subtracting (if -) the amount from the above to the water depth shown on National Oceanic and Atmospheric Administration (NOAA) navigational charts. Caution: Depths so determined are representative of a still water surface elevation, disturbed by neither wind nor other causes. Depth, however, may be reduced or increased as much as several feet for short periods of time due to these disturbances, or when sections of channels develop shoals. Vessel masters should refer to the Local Notice to Mariners for extent of shoaling and scattered bedrock projections in all channels. For further information direct inquiries to: Department of the Army, Detroit District Corps of Engineers P. O. Box 1027, Detroit, MI 48231, (313) 226-6443. Additional information can be found on the U.S. Army Corps of Engineers Information Center website at <http://www.lre.usace.army.mil/Missions/GreatLakesInformation/GreatLakesWaterLevels/WaterLevelForecast/ConnectingChannelsForecast.asp>

LNM: 22/16

#### **LAKE ERIE – NY – Buffalo Ship Canal – Chart 14833**

There is a steel I-beam protruding out of the water in approximate position 42-51.640N 078-52.100W. The steel I-beam is marked with a temporary white buoy FL W 4s.

LNM: 17/16

#### **LAKE ERIE - OH - West End of Lake Erie - Chart 14846**

Port Clinton East Pierhead Light "1" (LLNR 5870) The Day mark has been temporarily discontinued due to significant damage to the structure. The light remains operational and will remain operational until construction. The pier and light structure are scheduled to be replaced during the summer of 2016. During the construction the aid to navigation structure will be removed to make way for the pier construction. A lighted buoy will mark the east side of the channel entrance at that time. Upon completion of the construction a new aid to navigation structure will be installed with a light and day mark. Future updates can be found in the Local Notice to Mariner as the construction progresses and aid to navigation signals change.

LNM: 47/15

#### **LAKE HURON – MI – St. Clair River; Head of St. Clair River– Chart 14852**

U.S. Fish and Wildlife Service Marquette Biological Station will be conducting Sea Lamprey studies on the Middle Channel St. Clair River. Studies

will commence May 31st, 2016 thru June 7th, 2016. There are three study plots 150m x 25m in the following locations: Upstream site – 42.594268N 82.612529W, Middle site – 42.592882N 82.62424W, Lower site – 42.57432N 82.663025W. For further information contact Sector Detroit at (313)568-9527.

LNM: 21/16

#### LAKE HURON– MI – Straits of Mackinac – Chart 14881

Spectacle Reef Light (LLNR 11730) has changed its lighting characteristics. The nominal range of this aid has changed to (10 statute miles) and the flash has changed to Fl R 4s. All mariners are requested to transit the area with caution.

LNM: 07/16

#### LAKE MICHIGAN - WI - Green Bay and Little Bay De Noc

Several seasonal lighted and unlighted buoys in Green Bay and Little Bay De Noc may not be commissioned for the season by the advertised date in the 2016 Volume VII Great Lakes Light List. To obtain information on what seasonal unlighted and lighted buoys have been commissioned for the season call (216) 902-6074.

LNM: 17/16

#### LAKE MICHIGAN - MI - Waugoshance Point to Seul Choix Point - Chart 14911

An uncharted object has been reported north of the LCA track lines east of Lansing Shoal in approximate position 45-54.647'N 085-24.970'W. The object appears to be 23-24 feet below the surface at low water datum.

LNM: 30/15

#### CHICAGO RIVER – IL – Chicago – Chart 14928

A temporary 60 foot floating dock for paddle craft is positioned on the southern bank of the South Branch of the Chicago River at mile 322.5, approximately 1000 feet west of the S. Halsted St Bridge through December, 2016. Mariners should be aware of the structure and be on the lookout for arriving/departing paddle craft.

LNM: 44/15

#### ST. MARYS RIVER - MI - Chart 14884 - Chart 14883 - Chart 14882

The aids in the St. Mary's River previously advertised in the Advanced Section, Section V of the Local Notice to Mariner to become synthetic AIS ATON have been turned off due to coverage issues. This problem is being resolved and the aid's should be turned back on prior to the Spring 2016 navigation season.

LNM: 50/15

#### LAKE SUPERIOR - MI - St. Mary's River to Au Sable Point - Chart 14962

Little Lake Harbor has shoaled to less than 4 feet across the entrance between Little Lake Harbor Light "2" (LLNR 14540) and Little Lake Harbor Light "3" (LLNR 14545). The aids to navigation will continue to be maintained however transiting into this harbor is not recommended due to the shoaling.

LNM: 12/16

## SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

### DISCREPANCIES (FEDERAL AIDS)

| LLNR        | Aid Name                                  | Status                      | Chart No.    | BNM Ref.       | LNM St       | LNM End |
|-------------|---|-----------------------------|--------------|----------------|--------------|---------|
| <b>2400</b> | <b>Olcott Light</b>                       | <b>LT IMCH</b>              | <b>14806</b> | <b>B065-16</b> | <b>23/16</b> |         |
| 2975.1      | Bird Island Reef EU Buoy 6 (C)            | SINKING                     |              | B277-15        | 48/15        |         |
| 2975.2      | Limekiln Reef EU Buoy 7 (C)               | OFF STA/SINKING/LT IMCH/TMK |              | B026-16        | 16/16        |         |
| 6105        | Manhattan Range Front Light               | MISSING                     |              |                |              |         |
|             |   | REDUCED INT                 | 14846        | D065-16        | 22/16        |         |
| <b>6810</b> | <b>Southeast Shoal Lighted Buoy X (C)</b> | <b>LT EXT</b>               |              | <b>D075-16</b> | <b>23/16</b> |         |
| 9435        | Middle Channel Entrance Lighted Buoy 1MC  | LT IMCH                     | 14853        | D060-16        | 21/16        |         |
| 9435        | Middle Channel Entrance Lighted Buoy 1MC  | LT IMCH                     | 14853        | D060-16        | 21/16        |         |

|              |  |                              |                      |              |
|--------------|--|------------------------------|----------------------|--------------|
| <b>9870</b>  | <b>Courtright Light (C)</b>                          | <b>LT EXT</b>                | <b>D074-16</b>       | <b>23/16</b> |
| 10065        | Lake Huron Cut Light 7                               | REDUCED INT/SS INOP/RAC INOP | 14865 D033-16        | 14/16        |
| <b>10130</b> | <b>Harbor Beach Light "2"</b>                        | <b>LT EXT</b>                | <b>14862 D078-16</b> | <b>23/16</b> |
| <b>15115</b> | <b>Keweenaw Upper Entrance West Breakwater Light</b> | <b>REDUCED INT</b>           | <b>14972</b>         | <b>23/16</b> |
| 18875        | Muskegon Hartshorn Light                             | LT EXT                       | 14934 M084-16        | 13/16        |
| 18965        | Grand Haven South Pierhead Entrance Light            | SS INOP                      | 14933 M134-16        | 20/16        |
| 19585        | Burns Harbor North Light 2                           | LT EXT                       | 14926 M107-16        | 16/16        |
| 21940        | Menominee Pier Light 6                               | LT EXT                       | 14917 M115-16        | 17/16        |
| <b>22055</b> | <b>Suamico Lighted Buoy 1</b>                        | <b>OFF STA</b>               | <b>14910 M187-16</b> | <b>23/16</b> |

#### DISCREPANCIES (FEDERAL AIDS) CORRECTED

| LLNR  | Aid Name  | Status            | Chart No. | BNM Ref. | LNM St | LNM End |
|-------|---|-------------------|-----------|----------|--------|---------|
| 2400  | Olcott Light                                      | WATCHING PROPERLY | 14806     | B064-16  | 23/16  | 23/16   |
| 4560  | Sandusky Harbor Breakwater Light                  | WATCHING PROPERLY | 14842     | D069-16  | 23/16  | 23/16   |
| 8110  | Ecorse Channel Lighted Buoy 7                     | WATCHING PROPERLY | 14853     | D071-16  | 23/16  | 23/16   |
| 8210  | Belle Isle Light                                  | WATCHING PROPERLY | 14853     |          | 23/16  | 23/16   |
| 10290 | Port Austin Breakwater Light 4                    | WATCHING PROPERLY | 14863     | D070-16  | 23/16  | 23/16   |
| 10540 | Gravelly Shoal Light                              | WATCHING PROPERLY | 14863     | D068-16  | 22/16  | 23/16   |
| 11320 | Au Sable North Pierhead Light                     | WATCHING PROPERLY | 14863     | D064-16  | 22/16  | 23/16   |
| 19595 | Burns Waterway Jetty North Light 1                | WATCHING PROPERLY | 14905     | M178-16  | 22/16  | 23/16   |
| 19595 | Burns Waterway Jetty North Light 1                | WATCHING PROPERLY | 14905     | M181-16  | 23/16  | 23/16   |
| 19800 | Calumet Harbor Breakwater South End Light         | WATCHING PROPERLY | 14926     | M182-16  | 23/16  | 23/16   |
| 22265 | Green Bay Harbor Entrance Channel Lighted Buoy 30 | RESET ON STATION  | 14918     | M184-16  | 23/16  | 23/16   |

#### DISCREPANCIES (PRIVATE AIDS)

| LLNR          | Aid Name                                       | Status                | Chart No.    | BNM Ref.       | LNM St       | LNM End |
|---------------|--|-----------------------|--------------|----------------|--------------|---------|
| 1473          | Rock Island Light                              | LT EXT                | 14773        | B266-15        | 47/15        |         |
| 4055          | Gordon Park Boat Basin Entrance South Light    | LT EXT                | 14839        |                | 21/16        |         |
| 4190          | Whiskey Island Marina Entrance Light 1         | LT IMCH/DAYMK MISSING | 14839        | B059-16        | 21/16        |         |
| 4191          | Whiskey Island Marina Entrance Light 2         | DAYMK MISSING         | 14839        | B060-16        | 21/16        |         |
| 4810          | Causeway Leading Light                         | LT EXT                | 14845        |                | 20/16        |         |
| 4945          | Lyman Harbor Light                             | LT EXT                | 14845        |                | 20/16        |         |
| <b>4985</b>   | <b>Lockwood Entrance Channel Jetty Light 1</b> | <b>LT IMCH</b>        | <b>14844</b> | <b>D076-16</b> | <b>23/16</b> |         |
| <b>4985.1</b> | <b>Lockwood Entrance Channel Jetty Light 2</b> | <b>LT IMCH</b>        |              |                | <b>23/16</b> |         |
| 5282          | Mazurik Fish Access Light 1                    | REDUCED INT           |              | D028-16        | 14/16        |         |
| 5283          | Mazurik Fish Access Light 2                    | LT EXT                | 14842        | D029-16        | 14/16        |         |
| 5590          | Kellstone Crib Light                           | LT EXT                | 14842        | D066-16        | 22/16        |         |
| 8695          | Grosse Point Club Harbor Entrance West Light   | LT EXT                | 14853        | D179-15        | 42/15        |         |
| 19610         | Gary Breakwater Light                          | LT EXT                | 14926        | M106-16        | 16/16        |         |
| 19921         | Oakwood Beach North Pier Light                 | LT EXT                |              | M175-16        | 22/16        |         |
| 19922         | Oakwood Beach South Pier Light                 | LT EXT                |              | M176-16        | 22/16        |         |
| <b>20110</b>  | <b>Montrose Harbor East Breakwater Light</b>   | <b>LT EXT</b>         | <b>14926</b> | <b>M186-16</b> | <b>23/16</b> |         |
| 20757         | Mickinley Marina Light 2                       | LT EXT                | 14924        | M149-16        | 21/16        |         |

#### DISCREPANCIES (PRIVATE AIDS) CORRECTED

| LLNR  | Aid Name                       | Status    | Chart No. | BNM Ref. | LNM St | LNM End |
|-------|--------------------------------|-----------|-----------|----------|--------|---------|
| 19870 | Sixty-Eighth Street Crib Light | RELIGHTED | 14927     | M174-16  | 22/16  | 23/16   |
| 19925 | Four-Mile Crib Light           | RELIGHTED | 14927     | M177-16  | 22/16  | 23/16   |



**PLATFORM DISCREPANCIES**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
| None |        |          |          |        |         |

**PLATFORM DISCREPANCIES CORRECTED**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
| None |        |          |          |        |         |

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**SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED**

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

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**TEMPORARY CHANGES**

| LLNR  | Aid Name                           | Status            | Chart No. | BNM Ref. | LNM St | LNM End |
|-------|------------------------------------|-------------------|-----------|----------|--------|---------|
| 4451  | Vermilion Museum Lighthouse        | DISCONTINUED      | 14826     | B002-16  | 08/16  |         |
| 6015  | Cooley Canal Front Range Light     | DISCONTINUED      | 14846     |          | 11/16  |         |
| 6016  | Cooley Canal Rear Range Light      | DISCONTINUED      | 14846     |          | 11/16  |         |
| 10200 | Harbor Beach Marina Lighted Buoy 3 | DISCONTINUED      | 14862     |          | 17/16  |         |
| 18450 | Manistee North Pierhead Light      | Reduced Intensity | 14938     | M126-16  | 19/16  |         |

**TEMPORARY CHANGES CORRECTED**

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|------|----------|--------|-----------|----------|--------|---------|
|------|----------|--------|-----------|----------|--------|---------|

None

**PLATFORM TEMPORARY CHANGES**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
| None |        |          |          |        |         |

**PLATFORM TEMPORARY CHANGES CORRECTED**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|------|--------|----------|----------|--------|---------|
| None |        |          |          |        |         |

## SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

| Chart<br>Number                                    | Chart<br>Edition     | Edition<br>Date                | Last Local Notice<br>to Mariners | Horizontal<br>Datum Reference | Source of<br>Correction | Current Local<br>Notice to Mariners |
|--|----------------------|--------------------------------|----------------------------------|-------------------------------|-------------------------|-------------------------------------|
| 12327  | 91st Ed.             | 19-APR-97                      | Last LNM: 26/97                  | NAD 83                        |                         | 27/97                               |
| Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER |                      |                                |                                  |                               |                         |                                     |
| Main Panel 2245 NEW YORK HARBOR                    |                      |                                |                                  |                               | CGD01                   |                                     |
| (Temp)   | ADD                  | NATIONAL DOCK CHANNEL BUOY 3   |                                  |                               | at 40-41-09.001N        | 074-02-48.001W                      |
|  |                      | Green can                      |                                  |                               |                         |                                     |
|  | Corrective<br>Action | Object of Corrective<br>Action |                                  |                               | Position                |                                     |

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true.

Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

|  |                 |   |                        |               |   |
|--|-----------------|---|------------------------|---------------|---|
| <b>14826</b>   | <b>28th Ed.</b> | <b>01-SEP-10</b>                            | <b>Last LNM: 48/12</b> | <b>NAD 83</b> | <b>23/16</b>                                |
| <i>Chart Title: Moss Point to Vermilion; Beaver Creek; Vermilion Harbor; Rocky River</i> |                 |   |                        |               |   |
| <b>Main Panel 1147 MOSS POINT TO VERMILION OHIO. Page/Side: N/A</b>                      |                 |   |                        |               |   |
|  | ADD             | Cleveland Water Quality<br>Yellow<br>FLY 4s |                        |               | CGD09<br>at 41-33-07.560N<br>087-46-02.640W |

|  |                 |   |                        |               |              |
|--|-----------------|---|------------------------|---------------|--------------|
| <b>14922</b>   | <b>21st Ed.</b> | <b>01-MAY-16</b>  | <b>Last LNM: 01/16</b> | <b>NAD 83</b> | <b>23/16</b> |
| <i>Chart Title: Manitowoc and Sheboygan</i>                                      |                 |   |                        |               |              |
| <b>Main Panel 1446 MANITOWOC AND SHEBOYGAN WISCONSIN MANITOWOC. Page/Side: A</b> |                 |   |                        |               |              |
|  | NEW EDITION     | Scale 1: 10,000; New Edition (21 ed, 05/01/16) due to various general changes This NOAA chart is now available in both the Print-on Demand and digital raster formats. See <a href="http://nauticalcharts.noaa.gov/mcd/dole.htm">http://nauticalcharts.noaa.gov/mcd/dole.htm</a> for details. |                        |               | NOS<br>--    |

## SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

### SUMMARY OF ADVANCED APPROVED PROJECTS

#### Approved Project(s)

None

#### Project Date

#### Ref. LNM

#### Advance Notice(s)

##### **ST. CLAIR RIVER - MI - Chart 14852**

Harts landing Light (LLNR 9860) change the light characteristic from FG to FI G 6(1) and increase the range from 8 to 9 statute miles. It has been reported that the FG characteristic is difficult to see with the background lights.

LNM: 48/15

##### **LAKE HURON - MI - Lake Huron Cut - Chart 14862**

Lake Huron Cut Light "7" (LLNR 10065) Permanently discontinue the fog signal and RACON.

LNM: 43/15

##### **LAKE HURON - MI - Saginaw Bay - Chart 14863**

Tawas Light (LLNR 11240) Discontinue the light at the lighthouse and move it to Tawas Point where the fog signal is located in approximate position 44-14.9040N / 083-27.5477W. Change the characteristic Oc W 4s (R sector) to FI W 4(1). Eliminate the red sector. The range would remain 12 statute miles.

LNM: 44/13

##### **LAKE HURON - MI - Port Huron to Pte Barques - Chart 14862**

Port Sanilac Light (LLNR 10115) Reduce the range of the light from 16 statute miles to 14 statute miles.

LNM: 12/14

**LAKE MICHIGAN - WI - Algoma to Sheboygan - Chart 14903**

Kewaunee Shoal Light (LLNR 20950) change the seasonal fog signal operation from Apr. 1 to Dec. 1, to Apr. 1 to Nov. 1.

LNM: 27/14

**LAKE MICHIGAN - WI - Upper Green Bay - Chart 14909**

St. Martin Island Light (LLNR 21450) change the characteristic of the light from AL WR 10s to FI W 10s. The range would be reduced from 18 statute miles to 16 statute miles.

LNM: 31/14

**LAKE MICHIGAN - MI - Holland Harbor - Chart 14932**

Holland Harbor South Pierhead Light (LLNR 19295) change the characteristic from AL WR 10s to FI R 10s and reduce the range of the light from 17 statute miles to 15 statute miles.

LNM: 39/12

**LAKE MICHIGAN - WI - Upper Green Bay - Chart 14909**

Boyer Bluff Light (LLNR 21770) reduce the range of the light from 8 statute miles to 6 statute miles.

Eagle Bluff Light (LLNR 21825) reduce the range of the light from 7 statute miles to 6 statute miles.

LNM: 28/15

**LAKE MICHIGAN - IN - Indiana Harbor - Chart 14929**

Indiana Harbor Light "6" (LLNR 19695) Remove the higher intensity beam on bearing 165.5 degrees.

Indiana Harbor Light "7" (LLNR 19700) Remove the higher intensity beam towards the lake.

LNM: 46/15

**LAKE MICHIGAN - WI - Port Washington to Waukegan - Chart 14904**

Kenosha South Pier Light (LLNR 20435) Remove higher intensity beam lake ward.

LNM: 47/15

**LAKE MICHIGAN - IL - Calumet River - Chart 14929**

Calumet Harbor Breakwater South End Light (LLNR 19800) change the characteristic of the light from Al WR 10s to FI R 10(1)s. Change the fog signal from operating continuously to "Fog Signal operates by keying microphone five times on VHF FM Channel 83A".

LNM: 48/15

**LAKE MICHIGAN - MI - Waugoshance Point to Seul Choix Point - Chart 14911**

St. James Light (LLNR 17845) increase the range of the light from 10 statute miles to 12 statute miles.

LNM: 22/13

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## SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

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### PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

| <u>Proposed Project(s)</u> | <u>Closing</u> | <u>Docket No.</u> | <u>Ref. LNM</u> |
|----------------------------|----------------|-------------------|-----------------|
| None                       |                |                   |                 |

### Proposed Change Notice(s)

**LAKE HURON - MI - Harrisville to Forty Mile Point - Chart 14864**

Thunder Bay Traffic Lighted Bell Buoy "TB" (LLNR 11355) Add synthetic AIS to this aid when commissioned for the season and virtual AIS from December 01 to April 28.

LNM: 18/16

**LAKE HURON - MI - Detour Passage to Waugoshance Point - Chart 14881**

Cheboygan Traffic Lighted Bell Buoy (LLNR 12180) Add synthetic AIS to this aid when commissioned for the season and virtual AIS from December 07 to May 01.

LNM: 18/16

**LAKE MICHIGAN - WI - Manitowoc and Sheboygan - Chart 14922**

Sheboygan North Pierhead Light (LLNR 20835) increase the range of the light from 3 statute miles to 6 statute miles.

LNM: 13/16

**LAKE MICHIGAN - MI - Waugoshance Point to Seul Choix Point - Chart 14911**

Simmons Reef Lighted Bell Buoy "2" (LLNR 17760) discontinue the nun winter mark from November 28 to April 21.

LNM: 15/16

**LAKE MICHIGAN - WI - Upper Green Bay - Chart 14909**

Baileys Harbor Entrance Lighted Bell Buoy (LLNR 21235) Add synthetic AIS to this aid when commissioned for the season and virtual AIS from October 14 to April 21.

LNM: 18/16

**St. MARYS RIVER - MI - Munuscong lake to Sault Ste. Marie - Chart 14883**

Change the following range lights from lighted 24 hours to operate at night only:

Point of Woods Range Front light (LLNR 13145)

Point of Woods Range Rear Light (LLNR 13155)

LNM: 12/16

**LAKE SUPERIOR - MI - Big Bay Point to Redridge - Chart 14964**

Copper Harbor Entrance Lighted Bell Buoy "CH" (LLNR 15180) Add synthetic AIS to this aid when commissioned for the season and virtual AIS from October 14 to May 14.

LNM: 18/16

**For any comments or questions on these proposed changes please contact:**

Mr. Doug Sharp of the Ninth District Aids to Navigation office at (216) 902-6070.

LNM: 30/13

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**SECTION VII - GENERAL**

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

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**Waterways Analysis and Management System Study - 2016**

The Coast Guard is conducting a Waterways Analysis and Management System Study on the following waterways during 2016. The study focuses on the area's aid to navigation system, waterborne commerce, marine casualty information, emergency response plans, routine and emergency communication capabilities, and future development projects. Any company or individual wishing to comment on the waterway reviews listed below is encouraged to contact the Coast Guard unit listed or email comments to [william.d.sharp@uscg.mil](mailto:william.d.sharp@uscg.mil). Any comments emailed will be forwarded to the appropriate unit for use in the WAMS project. A survey is attached to the Local Notice to Mariner and can be used to comment on these reviews or on any waterways located in the Great Lakes.

Sackets Harbor (LLNR 1755 - 2024.9)

Oswego Harbor (LLNR 2025 - 2140)

Sodus Bay (LLNR 2145 - 2275)

Buffalo Black Rock Canal (LLNR 2665 - LLNR 3360)

Dunkirk Harbor (LLNR 3365 - LLNR 3492)

Commander

Sector Buffalo

1 Fuhrmann Blvd.

Buffalo, N.Y. 14203

(716) 843-9524

Huron Harbor (LLNR 4430 - LLNR 5455)

Commanding Officer

USCGC Bristol Bay (WTGB 102)

110 Mt. Elliot Avenue

Detroit, Mi. 48207

(313) 568-9548

Munising/Grand Marais (LLNR 14550 - LLNR 14615)

Marquette (LLNR 14620 - LLNR 14720)

Boundary Waters / Lake of the Woods (LLNR 16925 - LLNR 17715)

Commander

Sector Sault Ste. Marie

337 Water St.

## **Waterways Analysis and Management System Study - 2016**

Sault Ste. Marie, Mi. 49783  
(906) 635-3270

Keweenaw Waterway (LLNR 14725 - LLNR 15250)  
Commanding Officer  
USCGC Alder (WLB 216)  
1201 Minnesota Avenue  
Duluth, Mn. 55802  
(218) 529-3131

LNM: 39/12

### **GREAT LAKES - Marine Events**

Marine events such as races, parades, regattas, and fireworks displays are frequently held in the Great Lakes region. Advance information on specific events is contained in enclosure (2) of this publication. The public is reminded to listen to the local broadcast notice to mariners for the most up-to-date information on a marine event. Mariners are advised that some events may require temporary aids to navigation that are not displayed on a chart or in the Light List, and that they should exercise additional caution while operating in the vicinity of a scheduled marine event.

LNM: 24/13

### **NEW YORK BARGE CANAL – NY – Erie Canal – Chart 14786 – Bridge Maintenance**

From May 9 through June 6, 2016 a 70 foot by 30 foot barge will be working at the U.S. Route 11 (E-64) Bridge at Mile 151.2 over the Erie Canal between the bridge pier and the shoreline 24 hours a day, 7 days a week.

LNM: 16/16

### **NEW YORK BARGE CANAL – NY – Erie Canal – Chart 14786 – Bridge Maintenance**

From May 1 through August 31, 2016 the E-128 Main Street Bridge at Mile 248.1 over the Erie Canal at Lockport, NY will be secured to masted navigation and a 12 foot wide platform that hangs approximately 5 feet below low steel will be installed at the center of the draw span.

LNM: 16/16

### **NEW YORK BARGE CANAL – NY – Erie Canal – Chart 14786 – Bridge Maintenance**

From April 1, 2016 through October 31, 2017, two platforms will be installed under the E-63A, I-81 Bridges at Mile 150.7 over the Erie Canal at Hastings, NY that are 8 feet wide and hang approximately 4 feet below low steel. Flashing red lights will be displayed on the bottom four-corners of the platforms and a minimum of 85 feet horizontal clearance will be clear of any obstructions to allow vessels to pass under the bridge.

LNM: 45/15

### **LAKE ONTARIO – NY – Rochester River - Chart 14815 – Bridge Special Event**

On September 18, 2016 between the hours of 0400 and 1330 the O'Rourke Bridge at Mile 1.25 over the Genesee River will be secured to masted navigation in conjunction with the Rochester Marathon. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 10/16

### **LAKE ERIE – NY –Niagara River – Chart 14816**

Power line removal over the Niagara River, Lewiston, NY near the Sir Adam Beck Hydro Station May 16-18th 0745-1815.

LNM: 17/16

### **LAKE ERIE – OH – Cleveland Harbor – Chart 14839 – Bridge Maintenance**

From April 30 through June 1, 2016 between the hours of 0700 and 1900 daily workers will utilize man lifts and divers at the Detroit-Superior Viaduct at Mile 1.42 over the Cuyahoga River. Spotters will monitor VHF-FM Marine Radio Channel 16 and will move the man lifts and divers to allow vessels to pass.

LNM: 18/16

### **LAKE ERIE – OH – Islands in Lake Erie – Chart 14844**

Geo. Gradel Co. will be conducting dredging operations at Port Clinton Harbor, Port Clinton, OH. Operations will commence July 5th, 2016 thru October 3rd, 2016. Hours of operation are 7:00 A.M. to 7:00 P.M. Vessel checkdown is required within 1500 feet. Vessels may contact Tug Prairieland on marine VHF Channel 10, 16, or 18. For further information contact Mr. Shawn Claar at (419)277-1758.

LNM: 23/16

### **LAKE ERIE – OH – Maumee River - Chart 14846 – Bridge Replacement**

From July 1, 2015 through December 31, 2017, Bridge demolition and construction activities will be performed at the State Route 109 Bridge at Mile 44.4 over the Maumee River near Napoleon, Ohio. Mariners should use caution when transiting the area.

LNM: 20/14

**LAKE ERIE – NY – Niagara River – Chart 14816 – Bridge Maintenance**

From June 13 through October 27, 2016 scaffolding will be installed under the American Rapids Bridge at Goat Island over the Niagara River that hangs approximately 7 feet below low steel. Man lifts will be used during the installation and removal of the scaffolding. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass.

LNM: 23/16

**LAKE ERIE – NY – Niagara River – Chart 14822 – Bridge Maintenance**

From July 10, 2016 through May 18, 2019 scaffolding that extends approximately 6 feet below low steel will be installed under the Peace Bridge at Mile 1.5 over the Black Rock Canal. Amber lights will mark the bottom and four corners of the scaffolding hanging below low steel. Scaffolding under the bridge over the Niagara River will remain above low steel.

LNM: 16/15

**LAKE ERIE – NY – Niagara River - Chart 14822 – Bridge Maintenance**

From June 6 through June 30, 2016 between the hours of 0700 and 1600 Monday through Friday, a 100 foot by 34 foot barge will be washing the South Grand Island Bridges at Mile 27.5 over the Niagara River. The barge will move to accommodate vessels as needed.

LNM: 11/16

**LAKE ERIE – OH – Maumee River - Chart 14846 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the CSX Railroad Bridge at Mile 11.38 over the Maumee River are extinguished.

LNM: 14/15

**LAKE ERIE – OH – Lorain Harbor – Chart 14841 – Bridge Maintenance**

From May 2 through September 16, 2016 a 120 foot by 30 foot barge will be working at the 21st Street Bridge at Mile 2.0 over the Black River. The barge will move to allow vessels to pass with a 1 hour advance notice. Mariners should provide advance notice directly to the barge on VHF-FM Marine channel 16 or by calling: 614-679-2564.

LNM: 12/16

**LAKE ERIE – OH – Cleveland Harbor – Chart 14839 – Bridge Maintenance**

On September 19 and September 21, 2016 between 0800 and 2000 each day, the Norfolk Southern Railroad Bridge at Mile 0.76 over the Cuyahoga River will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 21/16

**LAKE ERIE – OH – Cleveland Harbor - Chart 14839 – Bridge Discrepancy**

Due to mechanical discrepancies, from April 30 through approximately September 30, 2016, the Willow Avenue Bridge at Mile 1.02 over the Old River Channel of the Cuyahoga River will be secured to recreational vessels except the bridge will open and remain open from 1900 to 0100, Monday through Friday. On weekends and federal holidays the bridge will open for recreational vessels and remain open from 1000 to 1400 and from 1700 to 0200. Commercial vessels are requested to provide at least 2-hours advance notice of arrival by contacting the Carter Road Bridge Operator on VHF-FM Channel 16 or by calling (216) 664-4767. The Bridge Operator is requested to announce the estimated arrival time and bridge opening on VHF-FM Channel 16 as general marine information. Signs shall be posted on the upriver and downriver sides advertising the bridge schedule for boaters. Mariners are urged to use caution and avoid congregating on both sides of the drawbridge awaiting scheduled openings.

LNM: 14/16

**LAKE ERIE – OH – Maumee River – Chart 14846 – Bridge Maintenance**

From May 2 through August 1, 2016 between the hours of 0700 and 1530, Monday through Friday a 70 foot by 35 foot barge will be working under the Veterans Glass Memorial Bridge at Mile 3.25 and the Craig Memorial Bridge at Mile 3.30, both over the Maumee River. The barge will move if a 1 hour advance notice of arrival is provided to the barge on VHF-FM Marine Radio or by calling: 419-467-5127 or 419-494-5373.

LNM: 15/16

**DETROIT RIVER – MI – River Rouge - Chart 14848 – Bridge Maintenance**

From 0700 on June 13 to 1900 on June 19, 2016 the West Jefferson Avenue Bridge at Mile 1.10 over the River Rouge will be secured to masted navigation. 3 barges 120 feet by 50 feet or smaller will be working under the bridge. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 08/16

**DETROIT RIVER – MI – Trenton Channel – Chart 14848 – Bridge Maintenance**

From 2000 to midnight on June 8, 2016 the Grosse Ile Free Bridge will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 22/16

**LAKE HURON – MI – Alpena Harbor – Chart 14864 – Bridge Maintenance**

From October 11, 2016 through June 10, 2017 the Second Avenue Highway Bridge at Mile 0.4 over the Thunder Bay River at Alpena, MI will be rehabilitated. From October 11 through November 8, 2016 the bridge will require a 12-hour advance notice for openings. Mariners should provide advance notice by calling 989-464-3416. From November 9, 2016 through June 10, 2017 the bridge will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time. From April 15, 2017 through June 10, 2017 scaffolding that extends approximately 3 feet below low steel will be installed under the bridge. Steady burning amber lights will be displayed on the bottom and four

**LAKE HURON – MI – Alpena Harbor – Chart 14864 – Bridge Maintenance**

corners of the scaffolding. Periodically during this project a barge will be used at the bridge.

LNM: 23/16

**LAKE HURON – MI – Port Huron – Chart 14852 – Bridge Special Event**

On July 13, 2016 between the hours of 1815 and 2100 the following bridges will be secured to masted navigation in conjunction with the Rotary Parade: the Military Street Bridge at Mile 0.33, 7th Street Bridge at Mile 0.50, and the 10th Street Bridge at Mile 0.94, all over the Black River.

LNM: 22/16

**LAKE HURON – MI – Saginaw River – Chart 14867 – Bridge Inspection**

From June 6 through June 10 between the hours of 0800 and 1600 daily inspectors will be using snoopers vehicles on the Veterans Memorial Bridge at Mile 5.60 over the Saginaw River. On June 8 and June 9, 2016 between the hours of 0800 and noon the bridge will be secured to masted navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 22/16

**LAKE HURON – MI – Saginaw River – Chart 14867 – Bridge Maintenance**

From June 20 through July 7, 2016 between the hours of 0700 and 1700 Monday through Thursday, the Michigan Central Railroad Bridge at Mile 4.94 over the Saginaw River will require a 2 hour advance notice for openings. Mariners should provide advance notice by calling: 989-529-0952.

LNM: 23/16

**LAKE HURON – MI – Inland Route- Chart 14886 – Bridge Maintenance**

From January 2, 2017 through March 31, 2017 the State Street Bridge at Mile 0.92 will be secured to masted navigation. Scaffolding will be installed that hangs approximately 6 feet below the bridge and a barge will be used at the bridge. A 30 foot wide channel will be maintained to allow vessels to pass under the bridge.

LNM: 40/15

**LAKE HURON – MI – Port Huron – Chart 14852 – Bridge Special Event**

On July 16, 2016 between the hours of 0900 and noon and again from 2200 to 2300 the following bridges will operate on an intermittent schedule in conjunction with the Mackinac Race and the Lighted Boat Parade: the Military Street Bridge at Mile 0.33, 7th Street Bridge at Mile 0.50, and the 10th Street Bridge at Mile 0.94, all over the Black River.

LNM: 22/16

**LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 – Bridge Maintenance**

From April 29 through June 20, 2016 a 80 foot by 32 foot barge will be working under the South California Avenue Bridge at Mile 7.3 (CORPS MILE 320.0) over the Chicago Sanitary and Ship Canal. The barge will monitor VHF-FM Marine Channel 16 and will move to accommodate vessels traffic.

LNM: 18/16

**LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 – Bridge Maintenance**

From July 11 through September 2, 2016 two 32 foot by 24 foot barges will be working behind the protection cells of the South Western Avenue Bridge at Mile 6.7 (CORPS MILE 320.6) over the Chicago Sanitary and Ship Canal. No equipment will be in the navigational channel.

LNM: 23/16

**LAKE MICHIGAN – MI – Grand Haven – Chart 14933 – Bridge Special Event**

From 2200 on July 4 until 0200 on July 5, 2016 the U.S. 31 Bridge at Mile 2.89 over the Grand River will be secured to masted navigation in conjunction with the City of Grand Haven fireworks display.

LNM: 12/16

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance**

From April 29 through June 20, 2016 a 80 foot by 32 foot barge will be working under the North Ashland Street Bridge at Mile 4.90 (CORPS MILE 328.7) over the North Branch of the Chicago River. The barge will monitor VHF-FM Marine Channel 16 and will move to accommodate vessels traffic.

LNM: 18/16

**LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Maintenance**

From March 7, 2016 through June 16, 2016, between the hours of 0700 and 1530 Monday through Friday a 120 foot by 32 foot barge will be working under the Courtland Avenue Bridge at Mile 4.48, CORPS MILE 328.2 over the North Branch of the Chicago River. The barge will monitor VHF-FM Marine Channel 16 and will move to allow vessels to pass if a 1 hour advance notice of arrival is provided.

LNM: 08/16

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance**

From October 23, 2015 through September 1, 2016 one leaf of the Lake Street Bridge at Mile 1.64, CORPS MILE 325.5, over the South Branch of the Chicago River will be secured to masted navigation, except from March 1 through April 29, 2016 when both leaves of the bridge will operate normally.

LNM: 39/15

Due to a mechanical failure the following bridges can only operate one leaf and the other leaf is stuck in the down position: the Columbus Drive

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Discrepancy**

Bridge at Mile 0.67 (corps mile 0.67) over the Main Branch of the Chicago River and the Roosevelt Road Bridge at Mile 2.94 (CORPS MILE 324.3) over the South Branch of the Chicago River. The estimated time to receive new parts and repair the bridges is July 1, 2016.

LNM: 23/16

**LAKE MICHIGAN – IN – Indiana Harbor, Chart 14929 – Bridge Underwater Hazard**

The Coast Guard has received a report of an underwater obstruction near the position of the former Canal Street Bridge at Mile 1.88 over the Indiana Harbor Canal.

LNM: 01/14

**LAKE MICHIGAN – MI – Stony Lake to Point Betsie – Chart 14907**

MCM Marine, Inc. will be conducting dredging operations at Ludington Harbor, Ludington, MI. Operations will commence June 4th, 2016 thru July 3rd, 2016. Vessels may contact Dredge ARTHUR J. on marine VHF Channel 16 or 72. For further information contact Mr. Darwin McCoy at (906)632-4316 or Mr. John Kuemin at (906)440-2570.

LNM: 23/16

**LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 – Bridge Maintenance**

From May 9 through June 24, 2016 between the hours of 2100 and 0500 daily contractors will be drilling bore holes between the shore and fendering of the Northern Illinois Toll Highway Bridges I-294 at Mile 18.1, CORPS MILE 309.3, over the Chicago Sanitary and Ship Canal. Mariners are warned that drill casings will extend from the bridge deck to the river bed outside of the normal navigation channel.

LNM: 19/16

**LAKE MICHIGAN – MI – Grand Haven – Chart 14933 – Bridge Special Event**

From 2200 on August 6 until 0200 on August 7, 2016 the U.S. 31 Bridge at Mile 2.89 over the Grand River will be secured to masthead navigation in conjunction with the Coast Guard Day fireworks display.

LNM: 12/16

**LAKE MICHIGAN – WI – Sturgeon Bay Ship Canal - Chart 14919 – Bridge Maintenance**

From May 1 through June 30, 2016 the Bay View, State Routes 42/57 Bridge at Mile 3.0 over the Sturgeon Bay Ship Canal will be secured to masthead navigation. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 52/15

**LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the following bridges over the Calumet-SAG Channel are extinguished: Norfolk Southern Railroad Bridge at Mile 22.13, CORPS MILE 310.8.

LNM: 12/16

**LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Inspection**

From June 10, 2016 through June 14, 2016 between the hours of 0830 and 1430 each day inspectors will use snooper vehicles under the 127th Street Bridge at Mile 18.81 (CORPS MILE 314.2) over the Calumet-SAG Channel. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass.

LNM: 23/16

**LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Inspection**

On June 7 and June 8, 2016 between the hours of 0830 and 1430 each day inspectors will use snooper vehicles under the Western Avenue Bridge at Mile 15.01 (CORPS MILE 318.0) over the Calumet-SAG Channel. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass.

LNM: 23/16

**LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the 18th Street Bridge at Mile 3.60 (CORPS MILE 323.7) over the South Branch of the Chicago River are extinguished.

LNM: 35/15

**LAKE MICHIGAN – IL – Little Calumet River – Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the South Hallstead Street Bridge at Mile 13.0, CORPS MILE 320.1, over the Little Calumet River are extinguished.

LNM: 12/16

**LAKE MICHIGAN – IL – Grand Calumet River – Chart 14927 – Bridge Construction**

From February 8, 2016 through August 25, 2017 contractors will be replacing the Torrance Avenue Bridge at Mile 0.06 over the Grand Calumet River. A 40 foot channel will be available to mariners during the replacement. Any temporary structures used in the construction of the new bridge will be marked with steady burning amber lights.

LNM: 06/16



**LAKE MICHIGAN – WI – Manitowoc – Chart 14922 – Bridge Special Event**

On June 12, 2016 between the hours of 0700 and 1400 the Eight Street Bridge at Mile 0.29 and the Tenth Street Bridge at Mile 0.43, both over the Manitowoc River will be secured to masted navigation in conjunction with the HFM Boston Qualifier Marathon.

LNM: 13/16

**LAKE MICHIGAN – IL – Calumet River – Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the center lights on the Torrence Avenue Bridge at Mile 5.26, CORPS MILE 328.0, are showing improper characteristics.

LNM: 12/16

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the dolphins near the location of the former Polk Street Bridge at Mile 2.16 over the South Branch of the Chicago River and the former Erie Street Bridge at Mile 2.21 over the North Branch of the Chicago River are a hazard to navigation.

LNM: 21/16

**LAKE MICHIGAN – WI – Racine Harbor – Chart 14925 – Bridge Special Event**

On July 4, 2016, between the hours of 0745 and 1130 and again between the hours of 2130 and 2230 the Main Street Bridge at Mile 0.31 and the State Street Bridge at Mile 0.53, both over the Root River will be secured to masted navigation in conjunction with the Fourth Fest of Greater Racine.

LNM: 13/16

**LAKE MICHIGAN – IL – Calumet River – Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the following bridge over the Calumet River are discrepant:  
City of Chicago Railroad Bridge at Mile 5.24, all lights extinguished.  
130th Street Bridge at Mile 6.25, all lights extinguished.

LNM: 38/15

**LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Maintenance**

From March 17 through June 20, 2016 scaffolding will be installed under the North Halstead Street Bridge at Mile 2.65, CORPS MILE 326.6, over the North Branch of the Chicago River that extends approximately 3 feet below low steel. An 80 foot by 32 foot barge will be used at the bridge and will move to allow vessels to pass.

LNM: 11/16

**LAKE MICHIGAN – IL – Calumet SAG Channel - Chart 14927 – Bridge Maintenance**

From September 8, 2015 through August 27, 2016 scaffolding will be installed under one half of the Division Street Bridge at Mile 14.49, CORPS MILE 318.5, over the Calumet-SAG Channel that hangs approximately 4 feet below low steel. Steady burning amber lights will mark the bottom and four corners of the scaffolding. One 60 foot by 40 foot barge will be working at the piers under the scaffolding. The barge will monitor VHF-FM marine Channel 16 and will move for river traffic as needed.

LNM: 35/15

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance**

From March 1 through December 31, 2016, Monday through Saturday, 0700 to 1700 and 2200 to 0500 daily, three 195 foot by 55 foot or smaller barges will be working at the Adams Street Bridge at Mile 2.08, CORPS MILE 325.1, over the South Branch of the Chicago River. The barges will move if provided a 30 minute advance notice of arrival on VHF-FM Marine Channel 16 or by calling: 312-656-7636.

LNM: 03/16

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Inspection**

From May 31 through June 2, 2016 between the hours of 0900 and 1500 each day inspectors will utilize snoopers on the Eisenhower Expressway Bridge at Mile 2.35 (Corps Mile 324.8) over the South Branch of the Chicago River. Spotters will warn of approaching vessels and move the man lift to allow vessels to pass.

LNM: 21/16

**LAKE MICHIGAN – WI – Lower Fox River – Chart 14918 – Bridge Special Event**

On May 22, 2016 between the hours of 0830 and 1100 the Main Street Bridge at Mile 1.58 over the Fox River at Green Bay will be secured to masted navigation in conjunction with the Green Bay Marathon. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 21/16

**LAKE MICHIGAN – IL – Little Calumet River – Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the following bridges over the Little Calumet River are extinguished:  
Indiana Avenue Bridge at Mile 10.80 (CORPS MILE 322.2)

LNM: 17/15

**LAKE MICHIGAN – WI – Menominee and Marinette Harbors - Chart 14917 – Bridge Maintenance**

**LAKE MICHIGAN – WI – Menominee and Marinette Harbors - Chart 14917 – Bridge Maintenance**

From September 7, 2015 through July 1, 2016 between the hours of 0600 and 1700, Monday through Friday, two 80 foot by 40 foot barges will be replacing the dolphins at the Ogden-First Street Bridge at Mile 0.7 over the Menominee River. The barges will occupy half of the channel but will move to accommodate large vessels with a 30 minute advance notice. Mariners should provide advance notice directly to the barge on VHF-FM Marine Channel 16 or by calling: 262-366-5360 or 262-366-5316. The new dolphins will display steady burning red lights until permanent lighting is installed.

LNM: 35/15

**LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Maintenance**

From March 28 through November 11, 2016 scaffolding will be installed under one half of the Chatham Street Bridge at Mile 14.77 over the Calumet-SAG Channel that extends approximately 4 feet below low steel. The scaffolding will be on the same side of the river as the scaffolding on the Division Street Bridge allowing vessels to pass through both bridges without major course changes. A 60 foot by 40 foot barge may be used under the scaffolding. The barge may be contacted on VHF-FM Marine Radio Channel 16.

LNM: 13/16

**LAKE MICHIGAN – WI – Green Bay – Chart 14918 – Bridge Discrepancy**

The Coast Guard has received a report that the bridge fendering system on the Canadian National Railroad Bridge at Mile 3.31 over the Fox River is reported damaged with debris protruding into the navigation channel.

LNM: 41/15

**AVAILABILITY OF PUBLIC NOTICE**

All interested parties are notified that an application has been received by Commander, Ninth Coast Guard District, from the City of Chicago, for approval of location and plans for the construction of a fixed pedestrian bridge over a navigable waterway of the United States.

WATERWAY AND LOCATION: Lakefront Pedestrian Bridge, Mile 0.32, Ogden Slip, City of Chicago, in Cook County, Illinois.

CHARACTER OF WORK: Construction of a fixed pedestrian bridge across Ogden Slip connecting existing pedestrian trails on DuSable Park and Lake Shore Park.

**MINIMUM NAVIGATIONAL CLEARANCES:**

**PROPOSED**

Horizontal: 67.5-ft between bridge piers, normal to the axis of the channel

Vertical: 22.21-ft at low steel, 22.46-ft at center. (Referred to Standard Low Water, Elevation 577.5-ft, Lake Michigan (IGLD85)).

The proposed pedestrian bridge would be built adjacent to the Lake Shore Drive NB Exit Ramp which offers lower vertical clearance over Ogden Slip. Lake Shore drive offers 21.05-ft at low steel and 21.21-ft at center (Referred to Low Water Datum, Lake Michigan, Elevation 577.50 (IGLD85)).

ENVIRONMENTAL CONSIDERATIONS: Through a Project Oversight Agreement with the Federal Highway Administration (FHWA) lead agency status has been assumed by the Illinois Department of Transportation (IL-DOT) for the proposed project. IL-DOT has reviewed and approved the project as a Categorical Exclusion (CATEX) for purposes of the National Environmental Policy Act (NEPA).

FOR MORE INFORMATION INCLUDING INSTRUCTIONS ON PROVIDING COMMENTS: The complete public notice including a brief summary of project impacts, a map of the location, and plans for the proposed bridge can be viewed and printed from the U.S. Coast Guard Navigation Center's web site <http://www.navcen.uscg.gov/?pageName=pnBridges&Active=1&region=9>, or by calling, emailing or mailing a request to the Coast Guard project manager, Mr. Blair Stanifer. He can be contacted by telephone at (216) 902-6086, by mail at Commander (dpb), Ninth Coast Guard District, 1240 E. 9th St., Room 2047, Cleveland, OH 44199, or by email at [William.b.stanifer@uscg.mil](mailto:William.b.stanifer@uscg.mil). Comments received will be made part of the case record.

All federal, state and local agencies and public representatives are requested to submit an email address(s) to the project manager to obtain this public notice and announcements of future public notices from this office.

Interested parties are requested to express their views, in writing, on the proposed bridge project giving sufficient detail to establish a clear understanding of their reasons for support or opposition to the proposed work. Comments will be received for the record at the office of: Commander (dpb), Ninth Coast Guard District, 1240 E. 9th St, Room 2047, Cleveland, OH 44199, for a 30 day period from the date of the public notice.

Mariners are requested to comment on the proposed vertical and horizontal navigational clearances and any other navigational safety issues including the extent of nighttime navigation past the bridge site.

LNM: 18/16

**LAKE MICHIGAN – IL – Little Calumet River – Chart 14927 – Bridge Maintenance**

From June 15 through July 31, 2016 between the hours of 0700 and 1530, Monday through Friday a 120 foot by 25 foot barge will be working under the Indiana Avenue Bridge at Mile 10.80 (CORPS MILE 322.3) over the Little Calumet River. The barge will move if provided a 2 hour advance notice of arrival on VHF-FM Marine Channel 16. Vessels are requested to pass the barge at a slow speed.

LNM: 19/16

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance**

From May 31 through June 10, 2016 between the hours of 0700 and 1530, Monday through Friday a 120 foot by 25 foot barge will be working under the Columbus Drive Bridge at Mile 0.67 (CORPS MILE 326.5) over the Main Branch of the Chicago River. The barge will move if provided a 1 hour advance notice of arrival on VHF-FM Marine Channel 16. Vessels are requested to pass the barge at a slow speed.

LNM: 19/16

**LAKE MICHIGAN – WI – Fox River - Chart 14916 – Bridge Construction**

From October 2, 2014 through November 30, 2018 an 80 foot by 50 foot and a 40 foot by 40 foot barge will be constructing the new State Highway 441 Little Lake Buttes des Morts Bridge at Mile 36.0 over the Fox River at Menasha, WI. A 30 foot wide channel will be maintained through the main navigational draws. Amber lights will mark the low steel of both bridges and red lights will mark the cofferdams around the new piers. The barges will be lighted in accordance with the Navigation Rules.

LNM: 40/14

**LAKE MICHIGAN – IL – Calumet-SAG Canal – Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the Ridgeland Avenue Bridge at Mile 20.47 (CORPS MILE 312.5) over the Calumet-SAG Channel are extinguished.

LNM: 25/15

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance**

From May 23 through May 27, 2016 between the hours of 0700 and 1530, Monday through Friday a 120 foot by 25 foot barge will be working under the Harrison Street Bridge at Mile 2.44 (CORPS MILE 324.8) over the South Branch of the Chicago River. The barge will move if provided a 2 hour advance notice of arrival on VHF-FM Marine Channel 16. Vessels are requested to pass the barge at a slow speed.

LNM: 19/16

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the following bridges over the Main, North, and South Branches of the Chicago River have lights showing improper characteristics, obstructed, missing, or lights that are extinguished:

Lake Shore Drive Bridge at Mile 0.32  
Columbus Drive Bridge at Mile 0.67  
Michigan Avenue Bridge at Mile 0.85  
Wabash Avenue Bridge at Mile 0.98  
State Street Bridge at Mile 1.05  
Dearborn Street Bridge at Mile 1.13  
Clark Street Bridge at Mile 1.21  
LaSalle Street Bridge at Mile 1.29  
Franklin-Orleans Street Bridge at Mile 1.47  
Lake Street Bridge at Mile 1.64  
Roosevelt Road Bridge at Mile 2.94  
Washington Street Bridge at Mile 1.81  
Madison Street Bridge at Mile 1.90  
Monroe Street Bridge at Mile 1.99  
Adams Street Bridge at Mile 2.08  
Jackson Street Bridge at Mile 2.17  
Van Buren Street Bridge at Mile 2.26  
Roosevelt Road Bridge at Mile 2.94  
Kinzie Street Bridge at Mile 1.81  
Grand Avenue Bridge at Mile 2.00  
Ohio Street Bridge at Mile 2.09  
Chicago Avenue Bridge at Mile 2.40  
North Halstead Street Bridge at Mile 2.65

LNM: 25/15

**LAKE MICHIGAN – WI – Lower Fox River – Chart 14918 – Bridge Special Event**

On July 4, 2016 between the hours of 1400 and 2300 the Main Street Bridge at Mile 1.58 over the Fox River at Green Bay will be secured to masted navigation in conjunction with the Green Bay Fourth of July Celebration. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 21/16

**LAKE MICHIGAN – WI – Fox River - Chart 14916 – Bridge Marine Event**

The following bridges will be secured to masted navigation in conjunction with the Ganther Race the Lake on August 14, 2016:  
Main Street Bridge at Mile 55.97 over the Fox River from 0600 to 0800.  
Racine Street Bridge at Mile 37.91 over the Fox River from 0645 to 1000.

LNM: 48/15

**LAKE MICHIGAN – IL – Little Calumet River – Chart 14927**

Torrence Avenue Bridge on the Grand Calumet River, Chicago, IL will be

**LAKE MICHIGAN – IL – Little Calumet River – Chart 14927**

demolished on February 29th or an alternate date from March 1st thru March 10th, 2016. Operations are scheduled 0800-1300 and a safety zone will be enforced on the Little Calumet River 1,500 feet in both directions from the junction of the Grand Calumet River and the Little Calumet River. For further information contact Sector Lake Michigan at (414) 747-7190, or Marine Safety Unit Chicago at (630) 986-2155.

LNM: 07/16

**LAKE MICHIGAN – IL – Chicago River – Chart 14927 – Bridge Maintenance**

From April 4 through September 6, 2016 platforms that extend approximately 4 feet into the channel will be installed on the piers at the Western Avenue Bridge at Mile 6.39, CORPS MILE 330.2, over the North Branch of the Chicago River.

LNM: 14/16

**LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Inspection**

From June 3 through June 5, 2016 between the hours of 0900 and 1500 daily, inspectors will utilize under bridge inspection vehicles at the I-295 Northern Illinois Toll Highway Bridges at Mile 17.35 (CORPS MILE 315.6) over the Calumet-SAG Channel. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass.

LNM: 21/16

**LAKE MICHIGAN – IL – Chicago Sanitary and Ship Canal – Chart 14927 – Bridge Inspection**

From June 15 through June 17, 2016 between the hours of 0900 and 1500 daily, inspectors will utilize under bridge inspection vehicles at the I-355 Veterans Memorial Tollway Bridges at Mile 28.3 (CORPS MILE 298.9) over the Chicago sanitary and Ship Canal. Spotters will warn of approaching vessels and move the man lifts to allow vessels to pass.

LNM: 21/16

**LAKE MICHIGAN – IL – Calumet-SAG Channel – Chart 14927 – Bridge Maintenance**

From June 6 through August 10, 2016 scaffolding will be installed under one half of the Harlem Avenue Bridge at Mile 21.48 (CORPS MILE 311.5) over the Calumet-SAG Channel that extends approximately 2 feet below low steel. The other half of the bridge will remain clear of any cables or other obstructions below the low steel. The contractor will start with scaffolding under the north half of the bridge and then switch to the south half. The bottom and four corners of the scaffolding will be marked with steady burning amber lights.

LNM: 21/16

**LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the Division Street Bridge at Mile 3.30 ( CORPS MILE 327.0 ) over the North Branch of the Chicago River are extinguished.

LNM: 50/14

**LAKE MICHIGAN – IL – Chicago River - Chart 14927 – Bridge Discrepancy**

The Coast Guard has received a report that the lights on the Cortland Street Bridge at Mile 4.48 (CORPS MILE 328.2) over the North Branch of the Chicago River are extinguished.

LNM: 50/14

**LAKE MICHIGAN – MI – St Joseph Harbor – Chart 14930**

MCM Marine, Inc. will be conducting dredging operations at St Joseph Harbor, MI. Operations will commence May 1st, 2016 thru June 15th, 2016. Hours of operation are 24 hours a day. Vessels may contact Dredge ARTHUR J. on marine VHF-FM Channel 16 or 72. For further information contact Mr. Darwin J. McCoy at (906) 632-4316.

LNM: 20/16

**LAKE MICHIGAN – WI – Fox River – Chart 14916 – Bridge Proposed Rule**

The Coast Guard proposes to modify the operating schedule for all drawbridges over the Fox River between DePere, WI and Oshkosh, WI. This proposed rule will align drawbridge operating schedules with lock schedules, and make the yearly schedules permanent and easier to follow for the entire river system and will establish permanent winter operating schedules for all drawbridges. To review the complete document please cut and paste the following link to your browser: <https://www.gpo.gov/fdsys/pkg/FR-2016-05-06/html/2016-10566.htm>

If you wish to comment your comments must reach the Coast Guard by June 20, 2016. Details on how to submit comments are included within the complete document viewable online.

LNM: 20/16

**LAKE SUPERIOR – WI – Beaver Bay to Pigeon Point – Chart 14967**

Roan Salvage Company will be conducting pipe installation at the shoreline of Lutsen, MN. Work will commence June 6th, 2016 thru July 31st, 2016. White and blue temporary mooring buoys will be present. Vessels may contact Tug John R. Asher or Tug Stephan Asher on marine VHF 7 or 16. For further information contact Mr. Barry Kuzay at (920)743-6533.

LNM: 23/16

**LAKE SUPERIOR – MI – Houghton Hancock – Chart 14972 – Bridge Maintenance**

From September 15, 2016 through December 31, 2016 and again from March 16, 2017 through June 15, 2017, the U.S. 41 Bridge at Mile 16.0 over the Keweenaw Waterway in Houghton-Hancock, MI will be locked in the intermediate position providing approximately 35 feet of clearance at low water datum. The bridge will open fully on the hour, every hour except at 0800, noon, and 1700, excluding holidays and weekends when the bridge will open fully on the hour every hour for recreational vessels. The bridge will operate on signal for commercial vessels.

LNM: 43/15

**LAKE SUPERIOR – MN – Duluth Superior Harbor - Chart 14975 – Bridge Special Event**

From 2000 to 2330 on July 4, 2016 the Minnesota Slip Bridge at the mouth of Minnesota Slip will be secured to masthead navigation and from 1900 on July 4, 2016 to 0100 on July 5, 2016 the Duluth Ship Canal Bridge at Mile 0.25 over the Duluth Ship Canal will be secured to masthead navigation, both in conjunction with the city's annual fireworks display. Vessels able to pass under either bridge without an opening may do so at any time. A rain date of July 5, 2016 is authorized.

LNM: 09/16

**LAKE SUPERIOR – MN – Duluth Superior Harbor - Chart 14975 – Bridge Special Event**

From August 18, 2016 through August 21, 2016 the Minnesota Slip Bridge at the mouth of Minnesota Slip shall open 15 minutes after the hour and 15 minutes before the hour in conjunction with the Tall Ships Challenge Event. Vessels able to pass under the bridge without an opening may do so at any time.

LNM: 09/16

**SECTION VIII - LIGHT LIST CORRECTIONS**

An Asterisk \*, indicates the column in which a correction has been made to new information

| (1)<br>No. | (2)<br>Name and Location | (3)<br>Position                 | (4)<br>Characteristic | (5)<br>Height | (6)<br>Range | (7)<br>Structure | (8)<br>Remarks     |
|------------|--------------------------|---------------------------------|-----------------------|---------------|--------------|------------------|--------------------|
| 4037       | Cleveland Water Quality  | 41-33-07.560N<br>087-46-02.640W | FLY 4s                |               |              |                  | Private Aid. 23/16 |
| *          | *                        | *                               | *                     | *             | *            | *                | *                  |

**ENCLOSURES****(1) SUMMARY OF DREDGING**

[23-16 Summary Of Dredging.pdf](#)

Construction Operations in Effect

LNM: 14/14

**(2) GREAT LAKES - General - Marine Events**

[spring\\_cruise2016.pdf](#) [PASSAGE THROUGH MACARTHUR LOCK.pdf](#) [23-16 Marine Events.pdf](#)

Summary of Marine Events

LNM: 14/14

**GREAT LAKES - GENERAL - Private Aids to Navigation**

[23-16 Private Aids.pdf](#)

GREAT LAKES

LNM: 20/16

**(3) SUMMARY OF BRIDGE MAINTENANCE / ACTIVITIES**

[2016-BRL-NOTICEtoNav-Schedule-Page.pdf](#)

Bridge Maintenance / Activities in Effect.

LNM: 14/14

**(4) WATERWAYS ANALYSIS AND MANAGEMENT SURVEY**

[WAMS Doc.pdf](#) [AIS ATON Announcement II.pdf](#)

Great Lakes WAMS Questionnaire

LNM: 14/14

J. E. RYAN, RDML  
U. S. Coast Guard  
Commander, Ninth Coast Guard District

## SUMMARY OF DREDGING/CONSTRUCTION OPERATION IN EFFECT

The LNM column is where the entry originally appeared and where detailed information may be obtained. The dates listed are tentative.

| LOCATION                                 | LNM   | SUBJECT                  | HOURS / DAYS           | UNTIL                 |
|--|-------|--------------------------|------------------------|-----------------------|
| <b><u>NEW YORK STATE BARGE CANAL</u></b> |       |                          |                        |                       |
| Erie Canal, NY                           | 19/13 | DREDGING OPERATIONS      | 24 HRS / 7 DAYS        | 01 May 13 – TBD       |
| Lockport, Brockport, and Fairport, NY    | 19/13 | STABILIZATION OPERATIONS | 24 HRS / 7 DAYS        | 01 May 13 – TBD       |
| Buffalo River, NY                        | 34/14 | HABITAT RESTORATION      | 24 HRS / 7 DAYS        | 25 Aug 14 – TBD       |
| <b><u>LAKE ONTARIO</u></b>               |       |                          |                        |                       |
| None                                     |       |                          |                        |                       |
| <b><u>LAKE ERIE</u></b>                  |       |                          |                        |                       |
| Cleveland, OH                            | 05/13 | CONSTRUCTION             | 24 HRS / 7 DAYS        | 29 Jan 13 – TBD       |
| Fairport, OH                             | 15/16 | CONSTRUCTION             | 0600-2200 HRS / 7 DAYS | 15 Apr 16 – 19 Dec 16 |
| Port Clinton, OH                         | 23/16 | EAST JETTY REPAIR        | 0700-1900 / 7 DAYS     | 05 Jul 16 – 03 Oct 16 |
| <b><u>DETROIT RIVER</u></b>              |       |                          |                        |                       |
| Detroit, MI                              | 33/14 | CONSTRUCTION             | 24 HRS / 7 DAYS        | 11 Aug 14- TBD        |
| <b><u>LAKE ST. CLAIR</u></b>             |       |                          |                        |                       |
| None                                     |       |                          |                        |                       |
| <b><u>LAKE HURON</u></b>                 |       |                          |                        |                       |
| None                                     |       |                          |                        |                       |
| <b><u>STRAITS OF MACKINAC</u></b>        |       |                          |                        |                       |
| None                                     |       |                          |                        |                       |
| <b><u>ST MARYS RIVER</u></b>             |       |                          |                        |                       |
| None                                     |       |                          |                        |                       |
| <b><u>LAKE SUPERIOR</u></b>              |       |                          |                        |                       |
| Portage Lake, MI                         | 31/13 | SEDIMENT REMEDIATION     | 24 HRS / 7 DAYS        | 01 Sep 13 – TBD       |
| Ashland, WI                              | 20/16 | CONSTRUCTION             | 0600-1800 HRS / M-S    | 11 May 16 – 30 Nov 16 |

## SUMMARY OF DREDGING/CONSTRUCTION OPERATION IN EFFECT

The LNM column is where the entry originally appeared and where detailed information may be obtained. The dates listed are tentative.

| LOCATION                    | LNM   | SUBJECT                     | HOURS / DAYS        | UNTIL                 |
|-----------------------------|-------|-----------------------------|---------------------|-----------------------|
| Lutsen, MN                  | 23/16 | PIPE INSTALLATION           | 24 HRS / 7 DAYS     | 06 Jun 16 – 31 Jul 16 |
| <b><u>LAKE MICHIGAN</u></b> |       |                             |                     |                       |
| Green Bay, WI               | 20/16 | DREDGING OPERATIONS         | 0700-1900 HRS / M-F | 28 Mar 16 – 13 Nov 16 |
| Ludington, MI               | 23/16 | HYDRAULIC PIPELINE DREDGING | 24HRS / 7 DAYS      | 04 Jun 16 – 03 Jul 16 |



## MICHIGAN DEPARTMENT OF NATURAL RESOURCES

### INTEROFFICE COMMUNICATION

15 April 2016

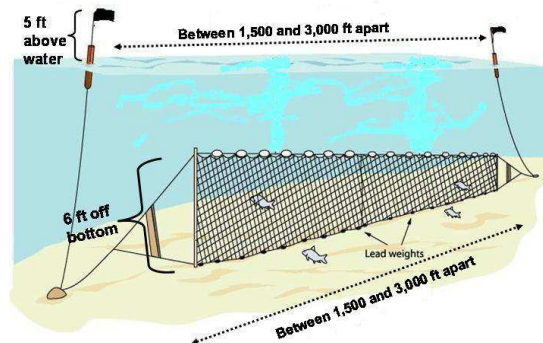
TO: Phil Schneeberger, Steve Scott, George Madison, Fisheries Division; Pete Wright, Law Enforcement Division

FROM: Shawn P. Sitar, Fisheries Research Biologist, Marquette Fisheries Research Station, Fisheries Division

SUBJECT: R/V Lake Char operations in Lake Superior, April-May 2016

This is a note to inform you that we will be conducting our annual spring gill net survey for lake trout in Lake Superior starting 18 April and completing by 30 May.

In these surveys, we use bottom set gill nets that range between 1,500 and 3,000 ft long, and they stand about 6 feet from the bottom and are set overnight. Our spring sampling stations are generally 80 to 250 deep and within a few miles from shore. The deepwater survey stations extend from near shore areas to more than 20 miles offshore spanning all depths greater than 80 ft. Our nets are marked with black flagged buoys that are labeled with our agency identification.



We will be conducting our spring survey in the following areas of Lake Superior: west of Keweenaw Peninsula in the Ontonagon and upper entry regions; East end of Isle Royale, outer Keweenaw Bay from Bete Grise to the Huron Islands; Big Bay; Marquette; Au Train, Munising, and Grand Marais.



Attached is a general schedule and coordinates for our nets for the lake trout surveys. Please inform all pertinent personnel of our schedule. Please note that we can be reached via 800 MHz Radios on our primary radio channel on Zone B, FIMARQT, or via marine radio channel 16. Our radio call sign is *R/V Lake Char*. We can also be reached on the boat via cell phone number 906-458-6925.

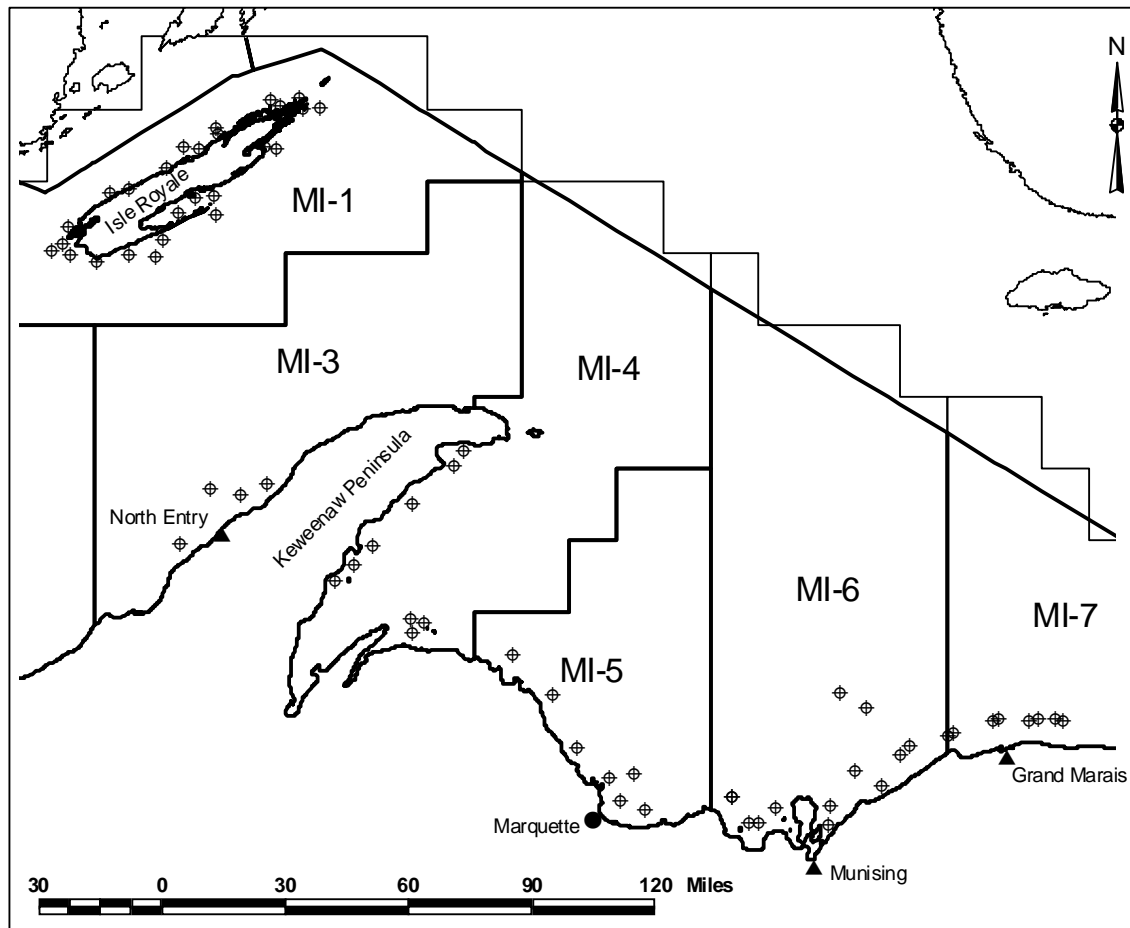
If you have any questions regarding our sampling schedule, please feel free to contact me by e-mail at [sitars@michigan.gov](mailto:sitars@michigan.gov) or by cell phone at (906)-235-1581. Thank you for your cooperation.

Attachment

CC: Ed Baker, Acting Station Manager, MFRS, Fisheries Division  
Kevin Rathbun, Boat Captain, MFRS, Fisheries Division  
Mark Ebener, Fisheries Chief, CORA  
Lori Ann Sherman, Natural Resources Director, KBIC  
Bill Mattes, Fisheries Biologist, GLIFWC  
Paul Ripple, Fisheries Biologist, BMIC  
Mark Brouder, Project Leader, Ashland FRO, USFWS  
Mark Vinson, Station head, USGS-Ashland

**2016 spring lake trout survey schedule for Marquette Fisheries Research Station (MFRS), Fisheries Division, Michigan Department of Natural Resources.**

| Dates       | Region                     | Stations   | Survey |
|-------------|----------------------------|--|--------|
| 18-22 April | Marquette-Munising         | Marquette, Shot Pt, Wood Island, Grand Island, Grand Portal          | Spring |
| 25-29 April | Munising-Grand Marais      | Pictured Rocks, Grand Marais, Au Sable Pt                            | Spring |
| 02-06 May   | Au Train-Munising          | Au Train Island, Marquette, Big Bay                                  | Spring |
| 09-13 May   | Huron Islands-Keweenaw Bay | Huron Islands, Pt. Abbaye, Traverse Island, Bete Grise, Pt. Isabelle | Spring |
| 16-20 May   | West side of Keweenaw      | Ontonagon, Freda, North Entry, Hills Creek                           | Spring |



Research Vessel Lake Char, MIDNR spring lake trout survey stations.

| <b>MIDNR-R/V Lake Char Spring 2016 lake trout survey station positions.</b> |                  |                                    |                 |                  |
|---|------------------|------------------------------------|-----------------|------------------|
| <b>Dates</b>  | <b>Station #</b> | <b>site</b>                        | <b>latitude</b> | <b>longitude</b> |
| 04/18-04/19   | 547              | Marquette-Thill A                  | 46 ° 33.17 ' N  | 87 ° 18.9 ' W    |
| 04/18-04/19   | 548              | Marquette-Thill B                  | 46 ° 32.25 ' N  | 87 ° 17.13 ' W   |
| 04/18-04/19   | 550              | Marquette Beach-Thill              | 46 ° 31.06 ' N  | 87 ° 16.77 ' W   |
| 04/18-04/19   | 552              | Shot Point-Thill                   | 46 ° 31.93 ' N  | 87 ° 13.76 ' W   |
| 04/19-04/20   | 612              | Au Train Point-Brey, VLS           | 46 ° 29.95 ' N  | 86 ° 49.75 ' W   |
| 04/19-04/20   | 629              | Wood Island-VLS                    | 46 ° 32 ' N     | 86 ° 46 ' W      |
| 04/20-04/21   | 651              | Trout Reef A-Brey (south)          | 46 ° 29.69 ' N  | 86 ° 35.09 ' W   |
| 04/20-04/21   | 652              | Trout Reef B-Brey (north)/ FAT 6-2 | 46 ° 32.51 ' N  | 86 ° 34.33 ' W   |
| 04/20-04/21   | 667              | Portal Reef-VLS                    | 46 ° 37.28 ' N  | 86 ° 29.39 ' W   |
| 04/25-04/26   | 734              | Perry's Landing (site 6)           | 46 ° 44.8 ' N   | 85 ° 50.66 ' W   |
| 04/25-04/26   | 735              | Perry's Landing (site 7)           | 46 ° 44.57 ' N  | 85 ° 46.88 ' W   |
| 04/26-04/27   | 710              | Au Sable Point (site 1)            | 46 ° 42.34 ' N  | 86 ° 9.74 ' W    |
| 04/26-04/27   | 730              | Grand Marais (site 3)              | 46 ° 44.48 ' N  | 86 ° 0.22 ' W    |
| 04/26-04/27   | 731              | Grand Marais (site 4)              | 46 ° 44.68 ' N  | 85 ° 59.08 ' W   |
| 04/27-04/28   | 680              | Beaver Beach-VLS                   | 46 ° 35.32 ' N  | 86 ° 24.12 ' W   |
| 04/27-04/28   | 683              | Beaver Hump B-Brey                 | 46 ° 39.55 ' N  | 86 ° 19.86 ' W   |
| 04/27-04/28   | 685              | Beaver Hump C-Brey                 | 46 ° 40.95 ' N  | 86 ° 17.8 ' W    |
| 05/02-05/03   | 614              | Table Top                          | 46 ° 33.69 ' N  | 86 ° 55.3 ' W    |
| 05/02-05/03   | 614.1            | Table Top A                        | 46 ° 33.79 ' N  | 86 ° 55.49 ' W   |
| 05/02-05/03   | 609              | Au Train Island-East               | 46 ° 29 ' N     | 86 ° 52 ' W      |
| 05/02-05/03   | 610              | Au Train Island-Brey               | 46 ° 30 ' N     | 86 ° 52 ' W      |
| 05/03-05/04   | 532              | Big Garlic-Thill                   | 46 ° 40.76 ' N  | 87 ° 28.1 ' W    |
| 05/03-05/04   | 535              | Little Presque Isle North-Thill    | 46 ° 39.41 ' N  | 87 ° 24.96 ' W   |
| 05/03-05/04   | 544.1            | White Rocks-B                      | 46 ° 37.5 ' N   | 87 ° 22.3 ' W    |
| 05/04-05/05   | 509              | Big Bay (IN)-Thill                 | 46 ° 51.38 ' N  | 87 ° 43.25 ' W   |
| 05/04-05/05   | 513              | Big Bay (OUT)-Thill                | 46 ° 53.77 ' N  | 87 ° 41.69 ' W   |
| 05/04-05/05   | 522              | Yellow Dog Point                   | 46 ° 48.23 ' N  | 87 ° 33.38 ' W   |
| 05/16-05/17   | 250              | Union Bay                          | 46 ° 51 ' N     | 89 ° 38 ' W      |
| 05/16-05/17   | 270              | Ontonagon                          | 46 ° 55.75 ' N  | 89 ° 22.57 ' W   |
| 05/16-05/17   | 280              | 10 Mile Pt.                        | 46 ° 58 ' N     | 89 ° 14 ' W      |
| 05/17-05/18   | 320              | Freda (out) (graded mesh)          | 47 ° 9.53 ' N   | 88 ° 52.25 ' W   |
| 05/17-05/18   | 329              | North/Upper Entry (Wiita)          | 47 ° 17.25 ' N  | 88 ° 45.8 ' W    |
| 05/17-05/18   | 340              | North/Upper Entry (NOTRY)          | 47 ° 16.32 ' N  | 88 ° 39.22 ' W   |
| 05/18-05/19   | 344              | Calumet Waterworks-Peterson        | 47 ° 17.9 ' N   | 88 ° 33.65 ' W   |
| 05/18-05/19   | 350              | Hills Creek                        | 47 ° 21.05 ' N  | 88 ° 28.62 ' W   |



**US Army Corps  
of Engineers®**

DETROIT DISTRICT

ATTN: CELRE-DE  
477 MICHIGAN AVENUE  
DETROIT MI 48226-2575  
HTTP://WWW.LRE.USACE.ARMY.MIL/

DATE: 04/28/2016

POC: Technical Services  
Branch  
313-226-2384

NOTICE NUMBER: 6274

LOCAL NUMBER: L16-11

WATERWAY: ST. MARYS RIVER

EFFECTIVE: 04/28/2016 14:20 thru Until Further Notice  
EDT

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**RESTRICTED VESSEL PASSAGE THROUGH THE MACARTHUR LOCK**  
**ST MARYS FALLS CANAL**

The following restrictions will be implemented at the MacArthur Lock further notice. These restrictions are required due to embedded gate anchorage concerns on gates 2 and 5. The Mac Arthur Lock will be operated using both upper and lower intermediate gates (gates 3 and 4)

Special Procedures for transiting of the MacArthur Lock by vessels not exceeding 730 feet in length when Gate 5 is out of service.

Upbound Vessels:

Vessels with friction winches and no bow overhang:

Maximum Vessel Length = 730 feet

For vessels 730 feet in length, Boom #8 (the chamber boom) will remain in the raised position while Gate #4 (the lower intermediate gate) is closed. This will allow 15.5 feet of clearance between the vessel and the upper intermediate gate sill and 25 feet of clearance between the vessel and Gate #4. At the request of the captain, vessels can be moved the last 25 feet to their final position using winch power only.

Vessels without friction winches or with bow overhang:

Maximum Vessel Length = 660 feet

For vessels 660 feet in length, Boom #8 will be lowered before Gate #4 is closed. This will provide 30 feet of clearance between the vessel and Boom #8 and 15 feet of clearance between the vessel and the upper gate sill.

Downbound Vessels:

Vessels with friction winches and no bow overhang:

Maximum Vessel Length = 730 feet

For vessels greater than 660 feet, Boom #8 will remain in the lowered position until the vessel is brought to a full stop with wheel motionless or in a zero pitch condition and the check cables out forward and aft. The vessel must be stopped when the bow of the vessel is no closer than 30 feet from the chamber boom. The chamber boom will then be raised and the vessel shall be moved forward into final position using winches only.

For vessels 730 feet in length, this will provide for 15.5 feet of clearance between the vessel and the upper gate sill and 25 feet clearance between the vessel and Gate #4.

Vessels without friction winches or with bow overhang:

Maximum Vessel Length = 660 feet

For vessels 660 feet in length, Boom #8 will remain lowered. This will provide for 30 feet of clearance between the vessel and Boom #8, and will provide 15 feet of clearance between the vessel and the upper gate sill.

//signed//

DAVID L. WRIGHT, P.E.  
Chief, Operations  
USACE-Detroit

**GREAT LAKES - GENERAL - MARINE EVENTS – SAFETY ZONES – SECURITY ZONES**

Events listed below are those events that may have accompanying special local regulations.

| <b>Location</b>   | <b>LNM</b> | <b>Events</b>                              | <b>Dates</b>                | <b>Time (Local)</b> | <b>POC or Sponsor</b>  | <b>Number</b> |
|---|------------|--|-----------------------------|---------------------|------------------------|---------------|
| <b><u>LAKE ONTARIO</u></b>                                    |            |  |                             |                     |                        |               |
| None Reported   |            |  |                             |                     |                        |               |
| <b><u>LAKE ERIE</u></b>                                       |            |  |                             |                     |                        |               |
| Toledo, OH  | 23/16      | Toledo Rowing Club Midwest Masters Sprints | 11 Jun 16                   | 0500-1430           | Sector Buffalo         | 716-843-9527  |
| Buffalo, NY   | 18/16      | Dragon boat race                           | 18 Jun 16                   | 0700-1800           | Mike Kerkmann          | 813-600-8642  |
| Erie, PA  | 18/16      | Bay Swim                                   | 18 Jun 16                   | 0845-1115           | Sector Buffalo         | 716-843-9527  |
| Lorain, OH  | 23/16      | Black River Kayak-A-Thon                   | 25 Jun 16                   | 0745-1415           | Kathryn Hoffman        | 440-204-2003  |
| Cleveland, OH   | 19/16      | Edgewater Yacht Club 2016 Race Program     | 10 May 16 – 30 Oct 16       |                     | Sector Buffalo         | 716-843-9527  |
| Monroe, MI  | 20/16      | Lake Erie Challenge North Cape Yacht Club  | 20 Aug 16 – 24 Aug 16       | 0800                | Paul Nickerson         | 440-238-9378  |
| <b><u>DETROIT RIVER, LAKE ST CLAIR AND ST CLAIR RIVER</u></b> |            |  |                             |                     |                        |               |
| None Reported   |            |  |                             |                     |                        |               |
| <b><u>LAKE HURON</u></b>                                      |            |  |                             |                     |                        |               |
| Port Huron, MI  | 20/16      | Port Huron to Mackinac Challenge           | 18 Jun 16 – 21 Jun 16       | 0900                | Jeff Neuhalfen         | 734-855-9447  |
| Cedarville, MI  | 21/16      | Les Cheneaux Sailboat Races                | 25 Jun 16 – 27 Aug 16       | Various             | Sector Sault Ste Marie | 906-635-3230  |
| St. Ignace, MI  | 21/16      | Festival of Fireworks                      | 25 Jun 16 – 10 Aug 16 (Sat) | 2200-2315           | Sector Sault Ste Marie | 906-635-3230  |
| Cedarville, MI  | 21/16      | Cedarville Fireworks                       | 04 Jul 16                   | 2200-2230           | Sector Sault Ste Marie | 906-635-3230  |
| Mackinac Island, MI   | 21/16      | Mackinac Island Fireworks                  | 04 Jul 16                   | 2130-2315           | Sector Sault Ste Marie | 906-635-3230  |
| Mackinaw City, MI   | 21/16      | Mackinaw City Fireworks                    | 04 Jul 16                   | 2200-2245           | Sector Sault Ste Marie | 906-635-3230  |
| St. Ignace, MI  | 21/16      | Festival of Fireworks                      | 04 Jul 16                   | 2200-2315           | Sector Sault Ste Marie | 906-635-3230  |
| Alpena, MI  | 21/16      | Alpena Fireworks                           | 04 Jul 16                   | 2100-2300           | Sector Sault Ste Marie | 906-635-3230  |
| <b><u>LAKE SUPERIOR</u></b>                                   |            |  |                             |                     |                        |               |
| Grand Marais Bay, MI  | 21/16      | Grand Marais Splash-In                     | 18 Jun 16                   | 1400-1700           | Sector Sault Ste Marie | 906-635-3230  |
| Marquette, MI   | 21/16      | Marquette Fireworks                        | 04 Jul 16                   | 2200-2230           | Sector Sault Ste Marie | 906-635-3230  |
| Whitefish Twp, MI   | 21/16      | Whitefish Twp Fireworks                    | 04 Jul 16                   | 2130-2330           | Sector Sault Ste Marie | 906-635-3230  |
| Munising, MI  | 21/16      | Munising Fireworks                         | 04 Jul 16                   | 1900-2400           | Sector Sault Ste Marie | 906-635-3230  |
| <b><u>ST. MARYS RIVER</u></b>                                 |            |  |                             |                     |                        |               |
| Sault Ste Marie, ONT  | 21/16      | Canada Day Fireworks                       | 01 Jul 16                   | 2200-2300           | Sector Sault Ste Marie | 906-635-3230  |
| Sault Ste Marie, MI   | 21/16      | Sault Ste Marie Fireworks                  | 04 Jul 16                   | 2145-2255           | Sector Sault Ste Marie | 906-635-3230  |

**GREAT LAKES - GENERAL - MARINE EVENTS – SAFETY ZONES – SECURITY ZONES**

Events listed below are those events that may have accompanying special local regulations.

| Location                          | LNM   | Events  | Dates                 | Time (Local) | POC or Sponsor         | Number       |
|-----------------------------------|-------|---|-----------------------|--------------|------------------------|--------------|
| <b><u>STRAITS OF MACKINAC</u></b> |       |   |                       |              |                        |              |
| None Reported                     |       |   |                       |              |                        |              |
| <b><u>LAKE MICHIGAN</u></b>       |       |   |                       |              |                        |              |
| Fruitport, MI                     | 16/16 | Old Fashioned Days Fireworks                                    | 27 May 16 – 29 May 16 | 2230-2300    | Sector Lake Michigan   | 414-747-7182 |
| Chicago, IL                       | 21/16 | America's Cup Security Zone                                     | 10-12 Jun 16          | 1100-1700    | Sector Lake Michigan   | 414-747-7182 |
| Chicago, IL                       | 21/16 | America's Cup Safety Zone                                       | 10-12 Jun 16          | 1200-1600    | Sector Lake Michigan   | 414-747-7182 |
| Milwaukee, WI                     | 21/16 | Pridefest Fireworks   | 11 Jun 16             | 2115-2215    | Sector Lake Michigan   | 414-747-7182 |
| Marinette, WI                     | 21/16 | Flare Demonstration Shoot                                       | 11 Jun 16             | 1800-1830    | Sector Lake Michigan   | 414-747-7182 |
| Elberta, MI                       | 21/16 | Elberta Solstice Festival Fireworks                             | 18 Jun 16             | 2200-2300    | Sector Lake Michigan   | 414-747-7182 |
| Milwaukee, WI                     | 21/16 | Polishfest Fireworks  | 18 Jun 16             | 2215-2315    | Sector Lake Michigan   | 414-747-7182 |
| South Haven, MI                   | 21/16 | Harborfest Dragonboat Races                                     | 18-19 Jun 16          | 0600-1900    | Sector Lake Michigan   | 414-747-7182 |
| Chicago, IL                       | 21/16 | Live Nation Lake Shake  | 19 Jun 16             | 1030-1130    | Sector Lake Michigan   | 414-747-7182 |
| Racine, WI                        | 21/16 | Modine Mfg. 100 year Anniversary Fireworks                      | 23 Jun 16             | 2115-2130    | Sector Lake Michigan   | 414-747-7182 |
| Chicago, IL                       | 21/16 | Chinatown Chamber of Commerce Dragon Boat Race                  | 25 Jun 16             | 0800-1700    | Sector Lake Michigan   | 414-747-7182 |
| Lake Charlevoix, MI               | 21/16 | Round Lake Swim   | 25 Jun 16             | 1000-1030    | Sector Sault Ste Marie | 906-635-3230 |
| Lake Charlevoix, MI               | 21/16 | East Jordan Freedom Fest Fireworks                              | 26 Jun 16             | 2200-2230    | Sector Sault Ste Marie | 906-635-3230 |
| Milwaukee, WI                     | 21/16 | Summerfest Fireworks  | 29 Jun 16             | 2115-2215    | Sector Lake Michigan   | 414-747-7182 |
| South Haven, MI                   | 21/16 | Start of the Queen's Cup Race                                   | 01 Jul 16             | 1400-1730    | Sector Lake Michigan   | 414-747-7182 |
| Grand Traverse Bay, MI            | 21/16 | National Cherry Festival Air Show                               | 02-04 Jul 16          | 1330-1600    | Sector Sault Ste Marie | 906-635-3230 |
| Torch Lake, MI                    | 21/16 | South Torch Lake Fireworks                                      | 03 Jul 16             | 2200-2230    | Sector Sault Ste Marie | 906-635-3230 |
| South Haven, MI                   | 21/16 | City of South Haven Fireworks                                   | 03 Jul 16             | 2200-2330    | Sector Lake Michigan   | 414-747-7182 |
| Milwaukee, WI                     | 21/16 | US Bank Fireworks   | 03 Jul 16             | 2030-2300    | Sector Lake Michigan   | 414-747-7182 |
| New Buffalo, MI                   | 21/16 | New Buffalo Business Association Fireworks                      | 03 Jul 16             | 2230-2330    | Sector Lake Michigan   | 414-747-7182 |
| Kenosha, WI                       | 21/16 | Celebrate America Ski Show                                      | 03-04 Jul 16          | 1430-1700    | Sector Lake Michigan   | 414-747-7182 |
| Little Traverse Bay, MI           | 21/16 | Petoskey Fireworks  | 04 Jul 16             | 2215-2245    | Sector Sault Ste Marie | 906-635-3230 |
| Grand Traverse Bay, MI            | 21/16 | Traverse City Fireworks   | 04 Jul 16             | 2200-2230    | Sector Sault Ste Marie | 906-635-3230 |
| Green Bay, WI                     | 21/16 | Fire over the Fox Fireworks                                     | 04 Jul 16             | 2100-2300    | Sector Lake Michigan   | 414-747-7182 |
| Green Bay, WI                     | 21/16 | Celebrate Americafest Ski Show                                  | 04 Jul 16             | 1430-1630    | Sector Lake Michigan   | 414-747-7182 |
| Saugatuck, MI                     | 21/16 | Saugatuck-Douglas 4 <sup>th</sup> of July Celebration Fireworks | 04 Jul 16             | 2145-2300    | Sector Lake Michigan   | 414-747-7182 |
| Frankfort, MI                     | 21/16 | Frankfort 4 <sup>th</sup> of July Fireworks                     | 04 Jul 16             | 2145-2300    | Sector Lake Michigan   | 414-747-7182 |
| Ludington, MI                     | 21/16 | Ludington Freedom Festival Fireworks                            | 04 Jul 16             | 2130-2300    | Sector Lake Michigan   | 414-747-7182 |
| Holland, MI                       | 21/16 | Van Andel Fireworks   | 04 Jul 16             | 2200-2300    | Sector Lake Michigan   | 414-747-7182 |
| Montague, MI                      | 21/16 | White Lake 4 <sup>th</sup> of July Fireworks                    | 04 Jul 16             | 2200-2330    | Sector Lake Michigan   | 414-747-7182 |
| Racine, WI                        | 21/16 | City of Racine 4 <sup>th</sup> of July Fireworks                | 04 Jul 16             | 2100-2230    | Sector Lake Michigan   | 414-747-7182 |
| Grand Haven, MI                   | 21/16 | Grand Haven 4 <sup>th</sup> of July Fireworks                   | 04 Jul 16             | 2100-2300    | Sector Lake Michigan   | 414-747-7182 |
| St. Joseph, MI                    | 21/16 | St. Joseph 4 <sup>th</sup> Celebration Fireworks                | 04 Jul 16             | 2200-2300    | Sector Lake Michigan   | 414-747-7182 |
| Sheboygan, WI                     | 21/16 | City of Sheboygan 4 <sup>th</sup> of July Fireworks             | 04 Jul 16             | 2100-2230    | Sector Lake Michigan   | 414-747-7182 |
| Manitowoc Harbor, WI              | 21/16 | Fourth on the Shore Fireworks                                   | 04 Jul 16             | 2100-2230    | Sector Lake Michigan   | 414-747-7182 |
| Green Bay, WI                     | 21/16 | Summer in the City Water Ski Show                               | 06 Jul 16 – 31 Aug 16 | 1830-1930    | Sector Lake Michigan   | 414-747-7182 |
| Grand Traverse Bay, MI            | 21/16 | National Cherry Festival Fireworks                              | 09 Jul 16             | 2200-2230    | Sector Sault Ste Marie | 906-635-3230 |

**GREAT LAKES - GENERAL - MARINE EVENTS – SAFETY ZONES – SECURITY ZONES**

Events listed below are those events that may have accompanying special local regulations.

| <b>Location</b>     | <b>LNM</b> | <b>Events</b>                                   | <b>Dates</b>          | <b>Time (Local)</b> | <b>POC or Sponsor</b>  | <b>Number</b> |
|---------------------|------------|---|-----------------------|---------------------|------------------------|---------------|
| Lake Charlevoix, MI | 21/16      | 13 <sup>th</sup> Annual Boyne Thunder Poker Run | 09 Jul 16             | 0900-1630           | Sector Sault Ste Marie | 906-635-3230  |
| Milwaukee, WI       | 21/16      | South Shore Frolics Fireworks                   | 15-17 Jul 16          | 2100-2230           | Sector Lake Michigan   | 414-747-7182  |
| Milwaukee, WI       | 21/16      | Festa Italiana Fireworks                        | 22-24 Jul 16          | 2245-2330           | Sector Lake Michigan   | 414-717-7182  |
| Milwaukee, WI       | 21/16      | German Fest Fireworks                           | 29-30 Jul 16          | 2215-2315           | Sector Lake Michigan   | 414-747-7182  |
| De Pere, WI         | 21/16      | Public Fireworks Display                        | 21 Jul 16             | 2100-2130           | Sector Lake Michigan   | 414-747-7182  |
| Chicago, IL         | 20/16      | 108th Annual Race to Mackinac Island            | 22 Jul 16 – 27 Jul 16 | 1000                | Donald Maxwell         | 708-790-5400  |
| Pentwater, MI       | 21/16      | Ensign Regatta                                  | 22-24 Jul 16          | 1100-1600           | Sector Lake Michigan   | 414-747-7182  |
| Sheboygan, WI       | 21/16      | Miesfield's Lakeshore Weekend Fireworks         | 29 Jul 16             | 2115-2215           | Sector Lake Michigan   | 414-747-7182  |
| Muskegon, MI        | 21/16      | CRAM Regatta                                    | 30-31 Jul 16          | 0900-1800           | Sector Lake Michigan   | 414-747-7182  |
| Saugatuck, MI       | 21/16      | Saugatuck Venetian Fireworks                    | 30 Jul 16             | 2130-2300           | Sector Lake Michigan   | 414-747-7182  |

**GREAT LAKES - GENERAL - MARINE EVENTS – SAFETY ZONES – SECURITY ZONES**

Events listed below are those events that may have accompanying special local regulations.

| <u>Location</u> | <u>LNM</u> | <u>Events</u> | <u>Dates</u> | <u>Time (Local)</u> | <u>POC or Sponsor</u> | <u>Number</u> |
|-----------------|------------|---------------|--------------|---------------------|-----------------------|---------------|
|-----------------|------------|---------------|--------------|---------------------|-----------------------|---------------|



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**GREAT LAKES - GENERAL – PRIVATE AIDS TO NAVIGATION**

These aids, in many areas of the navigable waters subject to federal jurisdiction, are maintained by various entities including other federal agencies, the States, other Armed Forces, private corporations and private individuals. These aids are not maintained by the Coast Guard. Only Class I & Class II PATON are charted and listed in the Light List.

| <u>Location</u> | <u>LLNM</u> | <u>Private Aid Name &amp; Light List Number (LLNR)</u> | <u>Dates</u> | <u>Type</u> | <u>POC or Owner</u> | <u>Number</u> |
|-----------------|-------------|--|--------------|-------------|---------------------|---------------|
|-----------------|-------------|--|--------------|-------------|---------------------|---------------|

**LAKE ONTARIO**

None Reported

**LAKE ERIE**

|               |       |   |                        |         |             |              |
|---------------|-------|---|------------------------|---------|-------------|--------------|
| Buffalo, NY   | 20/16 | Buffalo Harbor Sailing Club Race Buoys, N/A | 21 May 16 – 15 Sep. 16 | (6) ULB | Thomas Hunt | 716-204-2067 |
| Cleveland, OH | 23/16 | Cleveland Water Quality, LLNR #4037         | Throughout the year    | LB      | Ed Verhamme | 734-332-1200 |

**DETROIT RIVER, LAKE ST CLAIR AND ST CLAIR RIVER**

None Reported

**LAKE HURON**

None Reported

**LAKE SUPERIOR**

None Reported

**ST. MARYS RIVER**

None Reported

**STRAITS OF MACKINAC**

None Reported

**LAKE MICHIGAN**

None Reported

**ALLEGHENY RIVER**

|           |       |                       |                     |    |               |              |
|-----------|-------|-----------------------|---------------------|----|---------------|--------------|
| Perry, PA | 23/16 | Laurel Mt. Light, N/A | Throughout the year | LT | David Nicklas | 412-595-8700 |
|-----------|-------|-----------------------|---------------------|----|---------------|--------------|

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US Army Corps  
Of Engineers  
Buffalo District  
1776 Niagara Street  
Buffalo, New York 14207-3199

# Notice to Navigation Interests

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Notice No. M16-01      Date 9 December 2015  
Black Rock Channel & Tonawanda Harbor, NY  
Waterway

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**Black Rock Lock Operations** - The Black Rock Lock hours and dates for the 2016 navigation season are as follows:

|   |   |
|---|---|
| 1 January - 16 April                    | 8:00 am - 4:00 pm Monday - Friday                           |
| 3 May - 6 May                           | Closed for Maintenance                                      |
| 17 April - 14 May                       | 8:00 am - 4:00 pm Monday - Sunday                           |
| 15 May - 17 September (Extended Season) | 8:00 am - 10:00 pm Weekdays<br>11:00 am - 10:00 pm Weekends |
| 18 September - 29 October               | 8:00 am - 4:00 pm Monday - Sunday                           |
| 30 October - 31 December                | 8:00 am - 4:00 pm Monday - Friday                           |

**For any lock transit requests during the period 3 May thru 6 May 2016 please call 716-879-4403 to check on current maintenance and lock reopening status.**

The lock will be closed on the following 2016 Federal Holidays:

**01 January / 18 January / 15 February / 11 November / 24 November / 26 December**

Commercial traffic will be accommodated on a 24-hour basis with prior notification.

Questions on lock operations may be directed to the Black Rock Lock during scheduled operating hours by calling (716) 879-4403 or to the New York/Pennsylvania Operations and Maintenance Office between the hours of 7:00 a.m. and 3:00 p.m. at (716) 879-4293, Fax (716) 879-4356. The Lock may also be contacted on marine radio channel 16 (working Channel 12).

**Tug and Barge Operators are reminded that Personal Flotation Devices (PFDs) are required for all Barge personnel during the approach and while transiting the Lock and are recommended for all vessel crew members and passengers.**

The Black Rock Lock Channel extends from Buffalo Harbor to the Black Rock Lock. It is three and one-half miles in length. The Federal navigation channel has a minimum width of 200 feet. Pleasure crafts are required to yield the right-of-way to commercial vessels due to the confined waters of the channel.

The Black Rock Lock and the Black Rock Channel provide safe passage for vessels to travel between Buffalo Harbor and Tonawanda Harbor around the reefs, rapids and fast currents that exist in the upstream portion of the Niagara River.

In combination with the New York State Erie Canal, Black Rock Lock and Black Rock Channel provide an inland water route between Lake Erie and the Atlantic Ocean. Branch canals in the New York State canal system provide vessels access to Lake Erie and Lake Champlain.

Charts: 14832 - Upper Niagara River, New York  
14833 - Buffalo Harbor, New York

Edward F. Gawarecki  
Chief, NY/PA O&M Office

## Waterway Analysis and Management System Survey

Name of Waterway: \_\_\_\_\_

### User Information

\_\_\_ Commercial User

\_\_\_ Recreational User

Number of years in the maritime industry or number of years using this waterway: \_\_\_\_\_

Number of transits in the waterway per year: \_\_\_\_\_

Number of night transits of waterway: \_\_\_\_\_

Seasonal Dates: Start: \_\_\_\_\_ End: \_\_\_\_\_

Name of Vessel: \_\_\_\_\_

Vessel Description: \_\_\_\_\_

Length: \_\_\_\_\_ Beam: \_\_\_\_\_ Draft: \_\_\_\_\_ Gross Tons: \_\_\_\_\_

Net Tons: \_\_\_\_\_ Bridge Height of Eye: \_\_\_\_\_

Cargo Carried: \_\_\_\_\_

Navigational tools used: (ECDIS/ECPINS, GPS, DGPS, VISUAL, RADAR) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

What area do you believe is the most dangerous or difficult to navigate: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Are the floating aids to navigation (lighted and unlighted buoys) adequate for this waterway: \_\_\_\_\_

\_\_\_\_\_

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Are the fixed aids to navigation (lights, ranges, lighthouses, daybeacons) adequate for this waterway: \_\_\_\_\_

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Are the year round and lighted ice buoys adequate: \_\_\_\_\_

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Are there buoys that you feel should be changed to fixed aids to navigation?

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Are there any buoys that could be eliminated from this waterway: \_\_\_\_\_

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Are there any buoys with sound signals that the bell or gong could be removed:

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Are there any areas that require additional aids to navigation in this waterway:

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Do the nautical charts, Coast Pilot, and Light List meet your needs for this waterway: \_\_\_\_\_

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Are there private Aids to Navigation that you find misleading or interfere with the current system in the waterway:

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Any addition comments on this waterway: \_\_\_\_\_

Thank you for taking time to comment on this waterway. Your input as a mariner very valuable to the U. S. Coast Guard in evaluating waterways to make them safe and as easily navigable as possible. Please feel free to contact Mr. Doug Sharp at [william.d.sharp@uscg.mil](mailto:william.d.sharp@uscg.mil) or (216) 902-6070 with any other questions or concerns about any aids to navigation in the Great Lakes. The survey can be mailed to:

Commander (dpw-2)  
Ninth Coast Guard District  
1240 East Ninth Street  
Cleveland, Ohio 44199

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## U.S. Coast Guard to Test Automatic Identification System (AIS) Aids to Navigation (ATON)

In the near future, the U.S. Coast Guard and other authorized agencies and organizations (i.e., U.S. Army Corps of Engineers, Marine Exchange of Alaska) will begin transmitting AIS ATON messages and marine safety information via AIS for testing and evaluation. The exact content, location, and times of these broadcasts will be announced in future Local Notices to Mariners.

AIS is an internationally adopted radio communication protocol that enables the autonomous and continuous exchange of navigation safety related messages amongst vessels, lifeboats, aircraft, shore stations, and aids to navigation (AIS ATON). AIS ATON stations broadcast their presence, identity (9-digit Marine Mobile Service Identity (MMSI) number), position, and status at least every three minutes or as needed. These broadcasts can originate from an AIS station located on an existing physical aid to navigation (Real AIS ATON) or from another location (i.e., AIS Base Station). An AIS Base Station signal broadcasted to coincide with an existing physical aid to navigation is known as a Synthetic AIS ATON. An electronically charted, but non-existent as a physical aid to navigation, is identified as a Virtual AIS ATON. The latter two can be used to depict an existing aid to navigation that is off station or not watching properly or to convey an aid to navigation that has yet to be charted. All three variants can be received by any existing AIS mobile device, but they would require an external system for their portrayal (i.e., AIS message 21 capable ECDIS, ECS, radar, PC). How they are portrayed currently varies by manufacturer, but the future intention is for the portrayal to be in accordance with forthcoming International Standards (i.e., IEC 62288 (Ed. 2), IHO S-4 (Ed. 4.4.0)).

Mariners capable of receiving and displaying these test AIS messages are encouraged to provide feedback and report any anomalies to the USCG NAVCEN Website: <http://www.navcen.uscg.gov> | Contact Us Tab | Subject: AIS | Category: AIS Testing.

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### Example of Local Notice to Mariners Chart Corrections for AIS ATONs

#### Chart Correction for *Real AIS ATON*

|  |          |   |                 |        |                      |                |
|--|----------|---|-----------------|--------|----------------------|----------------|
| 12326                                      | 52nd Ed. | 01-JUNE-13  | Last LNM: 53/13 | NAD 83 |                      | LNM/14         |
| Chart Title: <i>Approaches to New York</i> |          |   |                 |        |                      |                |
| ADD  |          | Magenta circle AIS Chart No. 1: S17.2 to ABC Channel Lighted Whistle Buoy A and |                 |        | CGD<br>40-27-27.991N | 073-50-12.228W |
| CHANGE                                     |          | Characteristic to RW "A" Mo (A) WHIS Racon ( " ) AIS                            |                 |        |                      |                |

#### Chart Correction for *Synthetic AIS ATON*






|   |          |   |                 |        |                      |                |
|---|----------|---|-----------------|--------|----------------------|----------------|
| 18649   | 68th Ed. | 01-JUNE-13  | Last LNM: 52/13 | NAD 83 |                      | LNM/14         |
| Chart Title: <i>Entrance to San Francisco Bay</i> |          |   |                 |        |                      |                |
| ADD   |          | Magenta circle AIS Chart No. 1: S17.2 to ABC Approach Lighted Whistle Buoy AB and |                 |        | CGD<br>37-44-59.749N | 122-41-33.940W |
| CHANGE  |          | Characteristic to RW "AB" Mo (A) WHIS Racon ( - ) AIS                             |                 |        |                      |                |

#### Chart Correction for *Virtual AIS ATON*

|  |          |   |                 |        |                      |                |
|--|----------|---|-----------------|--------|----------------------|----------------|
| 12314  | 33rd Ed. | 01-JUNE-12  | Last LNM: 51/13 | NAD 83 |                      | LNM/14         |
| Chart Title: <i>Delaware River Philadelphia to Trenton</i> |          |   |                 |        |                      |                |
| ADD  |          | ABC Railroad Bridge South Starboard V-AIS ATON Chart No. 1: S18.2 |                 | to     | CGD<br>39-58-55.059N | 075-04-06.856W |
| ADD  |          | ABC Railroad Bridge South Port V-AIS ATON Chart No. 1: S18.2      |                 | to     | 38-58-55.803N        | 076-23-04.547W |

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## Virtual AIS ATON Symbology for Electronic Chart Display and Information System (ECDIS)

|                            |  |  |
|----------------------------|--|--|
| Port Lateral (IALA B)      | A Virtual object marking the port side of a channel                                |  |
| Starboard Lateral (IALA B) | A Virtual object marking the starboard side of a channel                           |  |
| Isolated Danger            | A Virtual object marking an isolated danger  |  |
| Safe Water                 | A Virtual object marking safe water  |  |
| Special Purpose            | A Virtual object used to mark an area or feature referred to in nautical documents |  |

## AIS ATON Symbology of the International Electrotechnical Commission (IEC) and International Maritime Organization (IMO)

